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OM nucleic - nucleic search, using sw model

Run on: June 9, 2003, 06:43:13 ; Search time 109.901 Seconds
(without alignments)
5580.964 Million cell updates/sec

Title: US-09-924-400-302
Perfect score: 2000
Sequence: 1 atggtgtgaggttattc.....aaaaaaaaaaaaaaaaaaaaa 2000

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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8	1147.6	57.4	1853	4	US-09-439-313-369
9	1147.6	57.4	1853	4	US-09-352-616A-369
10	1147.6	57.4	1853	4	US-09-605-785-373
11	1131.6	56.6	1155	4	US-09-605-785-373
12	1131.6	56.6	1155	4	US-09-439-313-373
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19	900.8	45.0	1851	4	US-09-062-451-291
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26	804.8	40.2	1512	4	US-09-605-785-368
27	804.8	40.2	1512	4	US-09-439-313-368

Sequence 294, App
Sequence 368, App
Sequence 531, App
Sequence 371, App
Sequence 371, App
Sequence 297, App
Sequence 372, App
Sequence 372, App
Sequence 372, App
Sequence 211, App
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Sequence 367, App
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Sequence 293, App
Sequence 367, App

ALIGNMENTS

RESULT 1
US-09-605-785-374
; Sequence 374, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqun
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C16

; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27

; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 374
; LENGTH: 2000

; TYPE: DNA
; ORGANISM: Homo sapien

; US-09-605-785-374

Query Match 100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 ATGTTGGTGGAGTTGATTCCATGCCGCTGCTCTCTGTGAAGAAGCAATTTGGTCTC 60

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121 AGCAACGTGGGCACTTCTGGAGACCAACGACACTTGTATGAGACACTCAGGAGCAAG 180
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QY 1 ATGTTGGTGGAGTTGATTCCATGCCGCTGCTCTCTGTGAAGAAGCAATTTGGTCTC 60
DB 1 ATGTTGGTGGAGTTGATTCCATGCCGCTGCTCTCTGTGAAGAAGCAATTTGGTCTC 60

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RESULT 2

US-09-439-313-374

; Sequence 374, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

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, CURRENT FILING DATE: 1999-11-12
, NUMBER OF SEQ ID NOS: 575
, SOFTWARE: FastSeq for Windows Version 3.0
, SEQ ID NO 374
, LENGTH: 2000
, TYPE: DNA
, ORGANISM: Homo sapien
US-09-439-313-374

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Query Match      100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0;
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Db	61	AGGAGCAAGATGGGCAAGTGGTGCTGCCGTTCGTTCCCTGCTGCAGGAGACGGCAAG	120
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RESULT 3
US-09-352-616A-374
; Sequence 374: Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-374

Query Match 100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ATGTGGTGGAGTTGATCCATGCCGCTCTCTCTGTAAGAGCCATTTGGTCTC 60

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Db 61 AGGAGCAGATGGCAAGTGTCTGCGTTGCTTCCCTGCTCAGGAGCGGCAAG 120

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Qy 421 GACAGCTCCAGAGCTGCTGCTGAGGTAAGTCCCAAGAGGATCTCATGCTCATG 480
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1081 AAGAAAAACAGATGCTTAAATTTCTTGTGAAAAACAGCAATTCAGAAACAAGCTTAAAG 1140
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1261 AAGCATGAAAGTAAATATGTTGGGATTAAGAAAAACCTGACTTAATGTTGCTGCTGGC 1320
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QY 1741 CAATATGATCTACAGAGCAATTTTGTGAAGACAGAACACTGGAATATTACAGATGAG 1800
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DB 1801 ATTCTGATTTCATGAAGAAAAAGCAGATAGAGTGGTTGAAAAAATGAATTCAGCTTTCT 1860
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DB 1861 CTTAGTTGTAAGAAAAAGAAAGACATCTTCATGAAAAATAGTACGTTGCGGAAAGAAAT 1920
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DB 1921 GCCATGCTAGAGCTGGAGCTAGACACATGAACATCAGAGCCAGCTTAAAAAAGAAAAA 1980
QY 1981 AAAAAAAGAAAAAAGAAAAA 2000
DB 1981 AAAAAAAGAAAAAAGAAAAA 2000

RESULT 4

US-09-605-785-375

Sequence 375, Application US/09605785

Patent No. 6321716

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yuqui

APPLICANT: Henderson, Robert A.

APPLICANT: Kalos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Li, Samuel

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: POSITIONS AND METHODS FOR THE THERAPY AND

FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C16

CURRENT APPLICATION NUMBER: US/09/605,785

CURRENT FILING DATE: 2000-06-27

NUMBER OF SEQ ID NOS: 835

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 375

LENGTH: 2040

TYPE: DNA

ORGANISM: Homo sapien

US-09-605-785-375

Query Match 97.0%; Score 1940; DB 4; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGTTGATTCCATGCGGTCGCTCTTCTGTGAAGAGCCATTGGTCTC 60
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QY 181 ATGGCAAGTGGTCCGCCCACTGCTTCCCTGCTGCAGGGGGAGTGGCAAGAGCAACGTG 240
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Db 1981 GAGCTAGACACAATGAATGAATCAGAGCCAGCTAATAAAAAAAAAAAAAAAAAAAAAA 2040
RESULT 6
US-09-352-616A-375
; Sequence 375, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-375
Query Match 97.0%; Score 1940; DB 4; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;
Qy 1 ATGCTGTTGAGTTGATTCATTCGCGCTGCTCTTCTGTGAAGAGCCATTGTGCTC 60
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Qy 181 ATGGGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
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Db 361 GGAGACTACGATGACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
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DB 1561 CAAGAACCCAGAAATAAATAGGATGTTGATAGAGCTAGAAAAATTTTATGGCTATCGAA 1620
QY 1576 GAAATGAAGAGCAGCAAGTACTCATGTGCGATTTCCAGAAACCTGACTAATGTTGCC 1635
DB 1621 GAAATGAAGAGCAGCAAGTACTCATGTGCGATTTCCAGAAACCTGACTAATGTTGCC 1680
QY 1636 ACTGCTGGCAATGATGATGATTAATTTCTTCCAGGAAGAGCAGAACACCTGAAAGC 1695
DB 1681 ACTGCTGGCAATGATGATGATTAATTTCTTCCAGGAAGAGCAGAACACCTGAAAGC 1740

QY 1696 CAGCAATTTCTGACACTGAGATGAGAGTATCAGTGCACGACCAACAAATGATCTCAG 1755
DB 1741 CAGCAATTTCTGACACTGAGATGAGAGTATCAGTGCACGACCAACAAATGATCTCAG 1800
QY 1756 AAGCAATTTTGTGAAGAACAGAACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1815
DB 1801 AAGCAATTTTGTGAAGAACAGAACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
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DB 1921 GAAAAAGACATCTTGCATGAAATAGTACGTTGGGGGAGAAATTCCTTCTTCTAGTTGTAAGAA 1980
QY 1936 GAGCTAGACACATGAAATAGTACGTTGGGGGAGAAATTCCTTCTTCTAGTTGTAAGAA 1995
DB 1981 GAGCTAGACACATGAAATAGTACGTTGGGGGAGAAATTCCTTCTTCTAGTTGTAAGAA 2040

RESULT 7

US-09-605-785-369
; Sequence 369, Application US/09605785
; Patent No. 6321716

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 369
; LENGTH: 1853

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-605-785-369

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

QY 1 ATGGTGGTTGAGTTGATTCATGCGGCTGCTTCTGTGAAGAGCCATTGGTCTC 60
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Qy 781 TATGTTGCTGATGATGAATCAAAACCAAGCATGGGCTCACACCCTGTTACTTGTGTA 840
Db 1003 TATGTTGCTGATGATGAATCAAAACCAAGCATGGGCTCACACCCTGTTACTTGTGTA 1062
Qy 841 CATGAGCAAAACACAGCACTGCTGTAATTTTAAATCAAGAAACCAAGCACTTAAATGC 899
Db 1063 CATGAGCAAAACACAGCACTGCTGTAATTTTAAATCAAGAAACCAAGCACTTAAATGC 1122
Qy 900 ACTGATAGATGGAAGCACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATGGAAGCACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTAT 1182
Qy 960 AGTCAGCTTCTACTTACCAAAATATTGATGATCTTCTCAAGTCTATCTGGACAGAC 1019
Db 1183 AGTCAGCTTCTACTTACCAAAATATTGATGATCTTCTCAAGTCTATCTGGACAGAC 1238
Qy 1020 GGCAGAGAGTATGCTGTTTCTAGTATCATCATGTTAAATTTCCAGTGTACTTCTGACTA 1079
Db 1239 GGCAGAGAGTATGCTGTTTCTAGTATCATCATGTTAAATTTCCAGTGTACTTCTGACTA 1298
Qy 1080 CAAAGAAAACAGATGCTTAAATCTCTTCTGAAAACAGCAATCCAGAAACAGACTTAA 1139
Db 1299 CAAAGAAAACAGATGCTTAAATCTCTTCTGAAAACAGCAATCCAGAAACAGACTTAA 1358
Qy 1140 GCTGACATCAGAGGAGTGTCAAAAGTTTCAAGGCTTCAAGGCTGAAATATGACCCAGAG 1197
Db 1359 GCTGACATCAGAGGAGTGTCAAAAGTTTCAAGGCTTCAAGGCTGAAATATGACCCAGAG 1416

RESULT 8

US-09-439-313-369
; Sequence 369, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqui
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 369
LENGTH: 1853
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-369

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;
Matches 1183; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGGTGTGTTGAGTGTGATTCCATGCCGGCTGCTTCTGTGAAGAGCCATTGTGCTC 60
Db 223 ATGGTGTGTTGAGTGTGATTCCATGCCGGCTGCTTCTGTGAAGAGCCATTGTGCTC 282
Qy 61 AGAGCAAGATGGGCAAGTGGTGTGCTTCCCTGCTGCAAGGAGAGCGCAAG 120
Db 283 AGAGCAAGATGGGCAAGTGGTGTGCTTCCCTGCTGCAAGGAGAGCGCAAG 342
Qy 121 ASCAAGTGGGCACTCTGGAGACCAAGCACTGCTTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAAGTGGGCACTCTGGAGACCAAGCACTGCTTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAAGGAGAGTGGCAAGCAAGTGG 240
Db 403 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAAGGAGAGTGGCAAGCAAGTGG 462
Qy 241 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGAAACAAGATGGCAAG 300
Db 463 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGAAACAAGATGGCAAG 522
Qy 301 TGGTGTGCCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 360
Db 523 TGGTGTGCCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 582
Qy 361 GGAGACTACGATGACGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 420
Db 583 GGAGACTACGATGACGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 642
Qy 421 GACAAGCTCCACAGAGCTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 480
Db 643 GACAAGCTCCACAGAGCTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 702
Qy 481 CTCAGGACACTGACGCTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 540
Db 703 CTCAGGACACTGACGCTGCTTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 762
Qy 541 TCTGCAATGGGAATTCAGAGTGTAGTAACTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 600
Db 763 TCTGCAATGGGAATTCAGAGTGTAGTAACTCCCTGCTGCAAGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG 822
Qy 601 GTCTTTGACAAACAAAGAGGACAGCTCTGATTAAGGGCGGTACAAATGCCAGGAAGTAA 660
Db 823 GTCTTTGACAAACAAAGAGGACAGCTCTGATTAAGGGCGGTACAAATGCCAGGAAGTAA 882
Qy 661 TGTGCGTTAATGTTGCTGGAACATGCGCACTGATCCAAATATTCAGATGAGTAAAT 720

Db 883 TGTGGTTAATGTTGCTGGAACATGGCACTGATCCAATATTCAGATGATGGAAT 942
Qy 721 ACCACTGCTACTAGCTATCTATAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTCACTAYGCTCTCTAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TATGGTCTGATGATGATCAAAAACAGCAATGGCTCTCACACCACTGTTACTGGTGA 840
Db 1003 TAYGGTCTGATATCGAATCAAAAACAGCAATGGCTCTCACACCACTGTTACTGGTGA 1062
Qy 841 CATGAGCAAAAACAGCAATGGCTCTCAATATTTTAATCAAGAAAAAGCAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAATGGCTCTCAATATTTTAATCAAGAAAAAGCAATTT-AAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 1182
Qy 960 AGTCAGGCTTCTACTTCAGCAAAATATGATGATCTCTCAAGATCTATCTGACAGAC 1019
Db 1183 AGTCAGGCTTCTACTTCAGCAAAATATGATGATCTCTCAAG-ATCTGGAAGAC 1238
Qy 1020 GGCCAGAGAGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTA 1079
Db 1239 GGCCAGAGAGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTA 1298
Qy 1080 CAAAGAAAAACAGATGCTTAAATCTCTCTGAAAAACAGCAATCCAGAACAGACTTAAA 1139
Db 1299 CAAAGAAAAACAGATGCTTAAATCTCTCTGAAAAACAGCAATCCAGAACAGACTTAAA 1358
Qy 1140 GCTGACATCAGAGAAAGATCACAAGGTTCAAAGGAGTGAATAAGCAGCCAGAG 1197
Db 1359 GCTGACATCAGAGAAAGATCACAAGGTTCAAAGGAGTGAATAAGCAGCCAGAG 1416

RESULT 9

US-09-062-451-295
; Sequence 295, Application US/09062451
; Patent No. 6344550
; GENERAL INFORMATION:
; APPLICANT: Frudakie, Tony N.
; APPLICANT: Smith, John M.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 297
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/062,451
; FILING DATE: 04-APR-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.419C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 295:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1853 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-062-451-295

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGCTGTTGAGGTGATTCATGCGGGTCCCTTCTGTAAGAACCAATTTGGTCTC 60
Db 223 ATGCTGTTGAGGTGATTCATGCGGGTCCCTTCTGTAAGAACCAATTTGGTCTC 282
Qy 61 AGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGTCAGGAGAGCGGCAAG 120
Db 283 AGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGTCAGGAGAGCGGCAAG 342
Qy 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGCCCACTGCTTCCCTGCTGAGGGGGAGTGGCAAGCAAGTGG 240
Db 403 ATGGGCAAGTGGTGGCGCCCACTGCTTCCCTGCTGAGGGGGAGTGGCAAGCAAGTGG 462
Qy 241 GGGCTTCTGGAGACCAAGCACTGCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
Db 463 GGGCTTCTGGAGACCAAGCACTGCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 522
Qy 301 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGGAGCGGCAAGCAAGTGGGCGCTGG 360
Db 523 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGGAGCGGCAAGCAAGTGGGCGCTGG 582
Qy 361 GAGAGACTACGATGACAGTGCCTTTCATGGAGCCCAAGTACCACGCTGGAGAGACTG 420
Db 583 GAGAGACTACGATGACAGTGCCTTTCATGGAGCCCAAGTACCACGCTGGAGAGACTG 642
Qy 421 GACAAGCTCCACAGAGCTGCTGCTGGGGTAAAGTCCCAAGAAAGATCTCATGCTCATG 480
Db 643 GACAAGCTCCACAGAGCTGCTGCTGGGGTAAAGTCCCAAGAAAGATCTCATGCTCATG 702
Qy 481 CTCAGGACACTGACGTGAACAGAGGAGCAAGCAAGAGGAGTCTCTACATCTGCTCC 540
Db 703 CTCAGGACACTGACGTGAACAGAGGAGCAAGCAAGAGGAGTCTCTACATCTGCTCC 762
Qy 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTCTGTCGACAGACAGTGTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTCTGTCGACAGACAGTGTCAACTTAAT 822
Qy 601 GTCCTTGAACAACAAAAAGAGGACAGCTCTGATAAAGCCCTACAATGCCAGGAGATGAA 660
Db 823 GTCCTTGAACAACAAAAAGAGGACAGCTCTGATAAAGCCCTACAATGCCAGGAGATGAA 882
Qy 661 TGTGCGTAAATGTTGCTGGNACATGCACATGATCCAAATATTCAGATGATGGAAT 720
Db 883 TGTGCGTAAATGTTGCTGGNACATGCACATGATCCAAATATTCAGATGATGGAAT 942
Qy 721 ACCACTCTGCACCTACCTCTCTATAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACCTACCTCTCTATAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TATGGTCTGATATCGAATCAAAAAACAGCAATGGCTCTCACACCACTGTTACTGGTGA 840
Db 1003 TATGGTCTGATATCGAATCAAAAAACAGCAATGGCTCTCACACCACTGTTACTGGTGA 1062
Qy 841 CATGAGCAAAAACAGCAATGGCTGTAATTTTAATCAAGAAAAAGCAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAATGGCTGTAATTTTAATCAAGAAAAAGCAATTT-AAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 1182

QY 960 AGTCAGGCTTCTACTTGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGAC 1019
Db 1183 AGTCAGGCTTCTACTTGAGCAAAATATGATGATCTTCTCAAG-ATCTGAAAGAC 1238
QY 1020 GGCAGAGATGCTGCTTCTACTGATCATCATGTAATTTGCCAGTTACTTTCTGACTA 1079
Db 1239 GGCAGAGATGCTGCTTCTACTGATCATCATGTAATTTGCCAGTTACTTTCTGACTA 1298
QY 1080 CAAAGAAAACAGATGCTAAATCTTCTGAAAACAGCAATCCAGAACAGACTTAAA 1139
Db 1299 CAAAGAAAACAGATGCTAAATCTTCTGAAAACAGCAATCCAGAACAGACTTAAA 1358
QY 1140 GCTGACATCAGAGAGAGTCAAAAGGTTCAAAGGTCAGTGAATAGCCAGCAGAG 1197
Db 1359 GCTGACATCAGAGAGAGTCAAAAGGTTCAAAGGTCAGTGAATAGCCAGCAGAG 1416

RESULT 10
US-09-352-616A-369
; Sequence 369, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 369
; LENGTH: 1853
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-369

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

QY 1 ATGGTGGTTGAGTTGATTCATGCGGCTGCTTCTGTGAAGAGCCATTGGTCTC 60
Db 223 ATGGTGGTTGAGTTGATTCATGCGGCTGCTTCTGTGAAGAGCCATTGGTCTC 282
QY 61 AGGAGCAGATGGGCAAGTGGTGGTCCCTGCTGAGGAGGAGGAGGAGGAGGAG 120
Db 283 AGGAGCAGATGGGCAAGTGGTGGTCCCTGCTGAGGAGGAGGAGGAGGAGGAG 342
QY 121 AGCAAGTGGGCACTTCTGAGACCAAGAGTCTGCTATGAGACACTCAGGAGCAAG 180
Db 343 AGCAAGTGGGCACTTCTGAGACCAAGAGTCTGCTATGAGACACTCAGGAGCAAG 402
QY 181 ATGGGCAAGTGGTGGGCACTGCTTCCCTGCTGAGGAGGAGGAGGAGGAGGAG 240
Db 403 ATGGGCAAGTGGTGGGCACTGCTTCCCTGCTGAGGAGGAGGAGGAGGAGGAG 462
QY 241 GCGGCTTCTGAGACCAAGAGTCTGCTATGAGACACTCAGGAGCAAGATGGGCAAG 300
Db 463 GCGGCTTCTGAGACCAAGAGTCTGCTATGAGACACTCAGGAGCAAGATGGGCAAG 522
QY 301 TGGTCTCCACTGCTTCCCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Db 523 TGGTCTCCACTGCTTCCCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 582
QY 361 GGAGACTACGATGACAGTGGCTTCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 420
Db 583 GGAGACTACGATGACAGTGGCTTCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 642
QY 421 GACAAGCTCCACAGAGTGCCTGGTGGGTTAAAGTCCCAAGAAAGGATCTCATCTCATG 480

Db 643 GACAAGCTCCACAGAGTGCCTGGTGGGTTAAAGTCCCAAGAAAGGATCTCATCTCATG 702
QY 481 CTAGGGGACACTGACGTGGAACAAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC 540
Db 703 CTAGGGGACACTGACGTGGAACAAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC 762
QY 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGTCGACAGACGATGCTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGTCGACAGACGATGCTCAACTTAAT 822
QY 601 GTCTTTGACAAACAAAAGAGGACAGCTCTGATTAAGGCCCTCAATGCGCAGGAGATGAA 660
Db 823 GTCTTTGACAAACAAAAGAGGACAGCTCTGATTAAGGCCCTCAATGCGCAGGAGATGAA 882
QY 661 TGTGCGTTAATGTTGCTGGAAACATGCGACCTGATCCAAATATTCAGATGATGGAAT 720
Db 883 TGTGCGTTAATGTTGCTGGAAACATGCGACCTGATCCAAATATTCAGATGATGGAAT 942
QY 721 ACCACTCTGCATCTACGCTATCTATAATGAAGATAAATTAATGCGCAAGACACTGCTCTTA 780
Db 943 ACCACTCTGCATCTACGCTATCTATAATGAAGATAAATTAATGCGCAAGACACTGCTCTTA 1002
QY 781 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCTCACACCCTGTTTGTGTGA 840
Db 1003 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCTCACACCCTGTTTGTGTGA 1062
QY 841 CATGAGCAAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAAGCAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAAGCAATTT-AAATGC 1122
QY 900 ACTGGATAGATATGGAAGGACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTAT 1182
QY 960 AGTCAGCTTCTACTTGAAGCAAAATATGATGATCTCTCAAGATCTATCTGGACAGAC 1019
Db 1183 AGTCAGCTTCTACTTGAAGCAAAATATGATGATCTCTCAAG-ATCTGGAAAGAC 1238
QY 1020 GGCAGAGAGTATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTTCTGACTA 1079
Db 1239 GGCAGAGAGTATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTTCTGACTA 1298
QY 1080 CAAAGAAAACAGATGCTAAATCTTCTGAAAACAGCAATCCAGAACAGACTTAAA 1139
Db 1299 CAAAGAAAACAGATGCTAAATCTTCTGAAAACAGCAATCCAGAACAGACTTAAA 1358
QY 1140 GCTGACATCAGAGGAGAGTCAAAAGGTTCAAAGGTCAGTGAATAGCCAGCAGAG 1197
Db 1359 GCTGACATCAGAGGAGAGTCAAAAGGTCAGTGAATAGCCAGCAGAG 1416

RESULT 11
US-09-605-785-373
; Sequence 373, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.

```

; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 373
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-373

```

Query Match	56.6%	Score 1131.6;	DB 4;	Length 1155;
Best Local Similarity	99.6%	Pred. No. 2e-285;		
Matches 1134;	Conservative	0;	Mismatches 4;	Indels 0;
Gaps	0;			

QY	1	ATGGTGGTTCAGGTTGATTCATGCCCGCTGCCTCTTCTGTGAAGAAGCCATTTGGTCTC	60
DB	1		60
QY	61	AGGAGCAAGATGGCAAGTGGTGTCCGTTGCTTCCCTGCTGCAGGGAGAGCGGAAG	120
DB	61		120
QY	121	AGCAAGTGGCACTTCTGAGAGCACGACGACTCTGTATGAAGACACTCAGGAGCAAG	180
DB	121	AGCAAGTGGCACTTCTGAGAGCACGACGACTCTGTATGAAGACACTCAGGAGCAAG	180
QY	181	ATGGGCAAGTGGTGGCCGCACTGCTCCCTGCTGAGGGGGAGTGCGAAGAGCAACGTG	240
DB	181	ATGGGCAAGTGGTGGCCGCACTGCTCCCTGCTGAGGGGGAGTGCGAAGAGCAACGTG	240
QY	241	GGCGCTTCTGGAGACACAGCAGACTCTGTATGAAGACACTCAGGAACAAGATGGGCAAG	300
DB	241	GGCGCTTCTGGAGACACAGCAGACTCTGTATGAAGACACTCAGGAACAAGATGGGCAAG	300
QY	301	TGTTGCTGCCACTGCTTTCCTGTCAGGGGGAGCGCAAGACAAGTGGGCGCTTGG	360
DB	301	TGTTGCTGCCACTGCTTTCCTGTCAGGGGGAGCGCAAGACAAGTGGGCGCTTGG	360
QY	361	GGAGACTACGATCACAGTGCCTTCATGGAGCCGAGGTACCACGCTCCGTGGAGAGATCTG	420
DB	361	GGAGACTACGATCACAGTGCCTTCATGGAGCCGAGGTACCACGCTCCGTGGAGAGATCTG	420
QY	421	GACAAGCTCCACAGAGCTGCCTGGTGGGTAAAGTCCCAGAAAGGATCTCATCGTCATG	480
DB	421	GACAAGCTCCACAGAGCTGCCTGGTGGGTAAAGTCCCAGAAAGGATCTCATCGTCATG	480
QY	481	CTCAGGGACACTCAGCTGAACAGAGGACAAGCAAGAGGACTGCTCTACATCTGGCC	540
DB	481	CTCAGGGACACTCAGCTGAACAGAGGACAAGCAAGAGGACTGCTCTACATCTGGCC	540
QY	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGTGGACAGACGATGTCAACTTAAT	600
DB	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGTGGACAGACGATGTCAACTTAAT	600
QY	601	GTCCCTTGACAAACAAAAGAGGACAGCTCTGTATAAAGCCGTACAATGCCAGGAAGATGAA	660
DB	601	GTCCCTTGACAAACAAAAGAGGACAGCTCTGTATAAAGCCGTACAATGCCAGGAAGATGAA	660
QY	661	TGTGCGCTTAATGTTGCTGGAAACATGCGACCTGATCCCAATATCCAGATGAGTATGGAAT	720
DB	661	TGTGCGCTTAATGTTGCTGGAAACATGCGACCTGATCCCAATATTCAGATGAGTATGGAAT	720
QY	721	ACCACCTGCGACTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
DB	721	ACCACCTGCGACTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
QY	781	TATGGTGCTGATATCGAATCAAAAACACAGCATGGCCCTCACACCACTGTTACTTGGTGA	840
DB	781	TATGGTGCTGATATCGAATCAAAAACACAGCATGGCCCTCACACCACTGTTACTTGGTGA	840

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RESULT 12
US-09-439-313-373
; Sequence 373, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121-427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 373
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-373

```

Query Match	56.6%	Score 1131.6	DB 4	Length 1155
Best Local Similarity	99.6%	Pred. No. 2e-285		
Matches 1134	Conservative 0	Mismatches 4	Indels 0	Gaps 0
Qy	1	ATGGTGGTTGAGGTTGATTCATGCGGCTGCCTCTCTGTGAAGAACCATTTGGTCTC	60	
Db	1			
Qy	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTCGGTGTTCCCTCTGTGAGGAGAGCGGCAAG	120	
Db	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTCGGTGTTCCCTCTGTGAGGAGAGCGGCAAG	120	
Qy	121	AGCAAGCTGGGCACTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAG	180	
Db	121	AGCAAGCTGGGCACTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAG	180	
Qy	181	ATGGGCAAGTGGTGCGCGCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGACACACGTG	240	
Db	181	ATGGGCAAGTGGTGCGCGCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGACACACGTG	240	
Qy	241	GGCGCTTCTTGAGACACCAACGACACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG	300	

Db 241 GCGCTTCTGGAGACAGCACTCTGCTATGAACACTCAGACACAGATGGCAAG 300
Qy 301 TGGTGTGCTCCCTCTCCCTCTGCTGAGGGGAGCGCAAGCAAGAGTGGCGCTTGG 360
Db 301 TGGTGTGCTCCCTCTCCCTCTGCTGAGGGGAGCGCAAGCAAGAGTGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGGTACCAAGTCCGTTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGGTACCAAGTCCGTTGGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCGAAGAGGATCTCATGCTCATG 480
Db 421 GACAAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCGAAGAGGATCTCATGCTCATG 480
Qy 481 CTGAGGACACTGCTGTAACAAGAGGACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
Db 481 CTGAGGACACTGCTGTAACAAGAGGACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
Qy 541 TCTGCCAATGGGAATTCAGAGTAGTAAAGTCTGCTGAGCAGACAGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAGTAGTAAAGTCTGCTGAGCAGACAGATGTCAACTTAAT 600
Qy 601 GTCTTGCACCAACAAAGAGGACAGCTCTGATAAAGGCGGTACAAATCCAGGAGATGAA 660
Db 601 GTCTTGCACCAACAAAGAGGACAGCTCTGATAAAGGCGGTACAAATCCAGGAGATGAA 660
Qy 661 TGTGCGTAAATGTTGCTGGAACATGGCACTGATCCAAATATTCAGATGATGGAAT 720
Db 661 TGTGCGTAAATGTTGCTGGAACATGGCACTGATCCAAATATTCAGATGATGGAAT 720
Qy 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Db 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Qy 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Db 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Qy 841 CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
Db 841 CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
Qy 901 CTGGATAGATATGGAAGGACTGCTCTCATATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGGAAGGACTGCTCTCATATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
Qy 961 GTGAGGCTTCTACTTGGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAGC 1020
Db 961 GTGAGGCTTCTACTTGGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAGC 1020
Qy 1021 GCCAGAGATGATGCTGTTTCTAGTCATCATGTAATTTGGCAGTTACTTCTGACTAC 1080
Db 1021 GCCAGAGATGATGCTGTTTCTAGTCATCATGTAATTTGGCAGTTACTTCTGACTAC 1080
Qy 1081 AAGAAAAACAGATGTAAATAATCTCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1138
Db 1081 AAGAAAAACAGATGTAAATAATCTCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1138

RESULT 13

US-09-352-616A-373
; Sequence 373, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A

; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 373
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-352-616A-373

Query Match 56.6%; Score 1131.6; DB 4; Length 1155;
Best Local Similarity 99.8%; Pred. No. 2e-285;
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db 1 ATGCTGTTGAGGTTGATTCATGCGCGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
Qy 61 AGAGCAAGATGGCAAGTGGTCTCCCTGCTGAGGAGAGCGCAAG 120
Db 61 AGAGCAAGATGGCAAGTGGTCTCCCTGCTGAGGAGAGCGCAAG 120
Qy 121 AGCAAGTGGGCACTTCTGAGACCAAGGAGTCTGCTATGAAGACATCAGAGCAAG 180
Db 121 AGCAAGTGGGCACTTCTGAGACCAAGGAGTCTGCTATGAAGACATCAGAGCAAG 180
Qy 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
Db 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
Qy 241 GCGCTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGGAAAGATGGGCAAG 300
Db 241 GCGCTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGGAAAGATGGGCAAG 300
Qy 301 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGAGCGCAAGCAAGTGGGCGCTTGG 360
Db 301 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGAGCGCAAGCAAGTGGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTGCCTTCAATGAGGCGCCAGTACCAAGTCCGTTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTGCCTTCAATGAGGCGCCAGTACCAAGTCCGTTGGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGCTGCTGTTGGGTTAAAGTCCCGAAGAGGATCTCATGCTCATG 480
Db 421 GACAAGCTCCACAGAGCTGCTGTTGGGTTAAAGTCCCGAAGAGGATCTCATGCTCATG 480
Qy 481 CTCAGGACACTGAGTGAACAAGAGGACCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
Db 481 CTCAGGACACTGAGTGAACAAGAGGACCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
Qy 541 TCTGCCAATGGGAATTCAGAGTAGTAAAGTCCCGAAGAGGATCTCATGCTCATG 600
Db 541 TCTGCCAATGGGAATTCAGAGTAGTAAAGTCCCGAAGAGGATCTCATGCTCATG 600
Qy 601 GTCTTGCACCAACAAAGAGGACAGCTCTGATAAAGGCGGTACAAATCCAGGAGATGAA 660
Db 601 GTCTTGCACCAACAAAGAGGACAGCTCTGATAAAGGCGGTACAAATCCAGGAGATGAA 660
Qy 661 TGTGCGTAAATGTTGCTGGAACATGGCACTGATCCAAATATTCAGATGATGGAAT 720
Db 661 TGTGCGTAAATGTTGCTGGAACATGGCACTGATCCAAATATTCAGATGATGGAAT 720
Qy 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Db 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
Qy 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Db 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Qy 841 CATGAGCAAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
Db 841 CATGAGCAAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900

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OM nucleic - nucleic search, using sw model

Run on: June 9, 2003, 09:39:18 ; Search time 262.376 Seconds
(without alignments)
10668.172 Million cell updates/sec

Title: US-09-924-400-302

Perfect score: 2000

Sequence: 1 atgggttggtggtgattc.....{.....aaaaaaaaaaaaaaaaaaaa 2000

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 870385 seqs, 699768693 residues

Total number of hits satisfying chosen parameters: 1740770

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

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- 3: /cgn2_6/ptodata/1/pubpna/US05_NEW_PUB.seq:*
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- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	2000	100.0	2000	9	US-10-012-896-374
3	2000	100.0	2000	9	US-09-895-793-374
4	2000	100.0	2000	9	US-09-895-814-374
5	2000	100.0	2000	9	US-10-010-940-374
6	2000	100.0	2000	10	US-09-825-301-6
7	2000	100.0	2000	10	US-09-759-143-374
8	2000	100.0	2000	10	US-09-780-669-374
9	2000	100.0	2000	10	US-09-810-936-302
10	2000	100.0	2000	10	US-09-822-827-374
11	2000	100.0	2000	10	US-09-429-755-302
12	1940	97.0	2040	9	US-09-924-400-303
13	1940	97.0	2040	9	US-10-012-896-375
14	1940	97.0	2040	9	US-09-895-793-375
15	1940	97.0	2040	9	US-09-895-814-375
16	1940	97.0	2040	9	US-10-010-940-375
17	1940	97.0	2040	10	US-09-825-301-7
18	1940	97.0	2040	10	US-09-759-143-375
19	1940	97.0	2040	10	US-09-780-669-375

20	1940	97.0	2040	10	US-09-810-936-303	Sequence 303, App
21	1940	97.0	2040	10	US-09-822-827-375	Sequence 375, App
22	1940	97.0	2040	10	US-09-429-755-303	Sequence 303, App
23	1170.8	58.5	1449	9	US-10-198-846-11218	Sequence 11218, A
24	1147.6	57.4	1853	9	US-09-924-400-295	Sequence 295, App
25	1147.6	57.4	1853	9	US-10-012-896-369	Sequence 369, App
26	1147.6	57.4	1853	9	US-09-895-793-369	Sequence 369, App
27	1147.6	57.4	1853	9	US-09-895-814-369	Sequence 369, App
28	1147.6	57.4	1853	9	US-10-010-940-369	Sequence 369, App
29	1147.6	57.4	1853	10	US-09-759-143-369	Sequence 369, App
30	1147.6	57.4	1853	10	US-09-780-669-369	Sequence 369, App
31	1147.6	57.4	1853	10	US-09-810-936-295	Sequence 295, App
32	1147.6	57.4	1853	10	US-09-822-827-369	Sequence 369, App
33	1147.6	57.4	1853	10	US-09-429-755-295	Sequence 295, App
34	1131.6	56.6	1155	9	US-09-924-400-301	Sequence 301, App
35	1131.6	56.6	1155	9	US-10-012-896-373	Sequence 373, App
36	1131.6	56.6	1155	9	US-09-895-793-373	Sequence 373, App
37	1131.6	56.6	1155	9	US-09-895-814-373	Sequence 373, App
38	1131.6	56.6	1155	9	US-10-010-940-373	Sequence 373, App
39	1131.6	56.6	1155	10	US-09-825-301-5	Sequence 5, Appl1
40	1131.6	56.6	1155	10	US-09-759-143-373	Sequence 373, App
41	1131.6	56.6	1155	10	US-09-780-669-373	Sequence 373, App
42	1131.6	56.6	1155	10	US-09-810-936-301	Sequence 301, App
43	1131.6	56.6	1155	10	US-09-822-827-373	Sequence 373, App
44	1131.6	56.6	1155	10	US-09-429-755-301	Sequence 301, App
45	1131.6	56.6	1185	9	US-09-924-400-335	Sequence 335, App

ALIGNMENTS

RESULT 1

US-09-924-400-302

; Sequence 302, Application US/09924400

; Patent No. US20020165371A1

; GENERAL INFORMATION:

; APPLICANT: Frudakis, Tony N.

; APPLICANT: Reed, Steven G.

; APPLICANT: Smith, John M.

; APPLICANT: Mishner, Lynda E.

; APPLICANT: Dillon, David C.

; APPLICANT: Retter, Marc W.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Day, Craig H.

; APPLICANT: Li, Samuel X.

; APPLICANT: Deng, Ta

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.419C12

; CURRENT APPLICATION NUMBER: US/09/924,400

; CURRENT FILING DATE: 2001-08-07

; NUMBER OF SEQ ID NOS: 340

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 302

; LENGTH: 2000

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-924-400-302

Query Match

Best Local Similarity 100.0%; Score 2000; DB 9; Length 2000;

Mismatches 0; Mismatches 0; Indels 0; Gaps 0;

Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

1 ATGGTGGTTGAGTTGATTCCATGCCGCTCTTCTGTGAAGCAATTTGGTCTC 60

Db

1 ATGGTGGTTGAGTTGATTCCATGCCGCTCTTCTGTGAAGCAATTTGGTCTC 60

QY

61 AGGACCAAGATGGGCAAGTGGTGGCTGCTTCCCTGTGCTGAGGAGCGGCAAG 120

Db

61 AGGACCAAGATGGGCAAGTGGTGGCTGCTTCCCTGTGCTGAGGAGCGGCAAG 120

Qy	121	AGCAACGTGGGCACTTCTGGAGACCAACGACGACACTCTGCTATGAAGACACTCTCAGGACGAAG	180
Db	121	AGCAACGTGGGCACTTCTGGAGACCAACGACGACACTCTGCTATGAAGACACTCTCAGGACGAAG	180
Qy	181	ATGGGCAAGTGGTGGCCGCCACTGTTCCCTGCTGCAGGGGGAGTGGCAAGAGCAAGCTG	240
Db	181	ATGGGCAAGTGGTGGCCGCCACTGTTCCCTGCTGCAGGGGGAGTGGCAAGAGCAAGCTG	240
Qy	241	GGGCGTTCTGGAGACCAACGACGACTCTGCTATGAAGACACTCTCAGGAAACAAGATGGGCAAG	300
Db	241	GGGCGTTCTGGAGACCAACGACGACTCTGCTATGAAGACACTCTCAGGAAACAAGATGGGCAAG	300
Qy	301	TGTTGCTGCCACTGCTTCCCTGCTGCAGGGGGAGCGCAAGACAAGTGGGGCGTTGG	360
Db	301	TGTTGCTGCCACTGCTTCCCTGCTGCAGGGGGAGCGCAAGACAAGTGGGGCGTTGG	360
Qy	361	GGAGACTACGATGACAGTGCCTTCATGAGCCAGGTACCACGTCCGTGGAGAGATCTG	420
Db	361	GGAGACTACGATGACAGTGCCTTCATGAGCCAGGTACCACGTCCGTGGAGAGATCTG	420
Qy	421	GACAAGCTCCACAGAGCTGCCTGTTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCA	480
Db	421	GACAAGCTCCACAGAGCTGCCTGTTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCA	480
Qy	481	CTCAGGACACTGACGTGAACAAGAGGACAAGCAAGAGGAGTGTCTACATCTCGGCC	540
Db	481	CTCAGGACACTGACGTGAACAAGAGGACAAGCAAGAGGAGTGTCTACATCTCGGCC	540
Qy	541	TCGTGCCAATGGGAATTCAGAAGTAGTAAACTCCTGCTGGACAGACATGTCAACTTAAT	600
Db	541	TCGTGCCAATGGGAATTCAGAAGTAGTAAACTCCTGCTGGACAGACATGTCAACTTAAT	600
Qy	601	GTCCCTTGACAAAAAGAGGACAGCTCTGATAAAGCCGTACAATGCCAGGAAGATGAA	660
Db	601	GTCCCTTGACAAAAAGAGGACAGCTCTGATAAAGCCGTACAATGCCAGGAAGATGAA	660
Qy	661	TGTGGCTTAATGTTGCTGGAAATGCGACATGATCCAAATATCCAGATGATGGAAAT	720
Db	661	TGTGGCTTAATGTTGCTGGAAATGCGACATGATCCAAATATCCAGATGATGGAAAT	720
Qy	721	ACCACCTGCGACTACGCTATCTATATGAAGATAAATTAATGCCAAGCACATGCTCTTA	780
Db	721	ACCACCTGCGACTACGCTATCTATATGAAGATAAATTAATGCCAAGCACATGCTCTTA	780
Qy	781	TATGGTGTGATATCGAATCAAAAAACAGCATGGCCTCACACCCTGTTTACTTGGTGA	840
Db	781	TATGGTGTGATATCGAATCAAAAAACAGCATGGCCTCACACCCTGTTTACTTGGTGA	840
Qy	841	CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGGAAATTAATGCA	900
Db	841	CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGGAAATTAATGCA	900
Qy	901	CTGGATAGATATGGAAGGACTGCTCATACTTGTGTATGTTGGATCAGCAAGTATA	960
Db	901	CTGGATAGATATGGAAGGACTGCTCATACTTGTGTATGTTGGATCAGCAAGTATA	960
Qy	961	GTGAGCCTTCTACTTGGACAAAAATATGATGATCTTCTCAAGATCTATCTGGACAGACG	1020
Db	961	GTGAGCCTTCTACTTGGACAAAAATATGATGATCTTCTCAAGATCTATCTGGACAGACG	1020
Qy	1021	GCCAGAGATGCTGTTTCTAGTCATCATCATGTAATTTGGCAGTTACTTTCTGACTAC	1080
Db	1021	GCCAGAGATGCTGTTTCTAGTCATCATCATGTAATTTGGCAGTTACTTTCTGACTAC	1080
Qy	1081	AAAGAAAAACAGATGCTAAAAATCTCTCGAAAAACAGCAATCCAGAACAGACTTTAAG	1140
Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTCGAAAAACAGCAATCCAGAACAGACTTTAAG	1140
Qy	1141	CTGACATCAGAGGAAGAGTCAACAAGGTTCAAAAGGCGAGTGAATAATAGCCAGCCAGAGAA	1200
Db	1141	CTGACATCAGAGGAAGAGTCAACAAGGTTCAAAAGGCGAGTGAATAATAGCCAGCCAGAGAA	1200
Qy	1201	ATGCTTCAGAACCCGAAATAAATAAGGATGGTGATAGAGAGGTTGAAGAGAAATGAAG	1260

RESULT 2

RESULT 2
US-10-012-896-374
Sequence 374, Application US/10012896
Publication No. US200201825A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.

APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Meadner, Madeleine Joy
TITLE OF INVENTION: POSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapiens
US-10-012-896-374

Query Match 100.0%; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	1	ATGGTGGTGGAGTTGATTCACGCGGCTGCTCTTCTGTGAAGAACCAATTTGGTCTC	60
QY	61	AGGACACAGATGGGCAAGTGGTGGCGGCTGCTTCCCTGCTGAGGAGCGGCAAG	120
DB	61	AGGACACAGATGGGCAAGTGGTGGCGGCTGCTTCCCTGCTGAGGAGCGGCAAG	120
QY	121	AGCAAGCTGGGCACTTCTGGAGACACACGACACTCTGCTATGAAGACACTCAGGAGCAAG	180
DB	121	AGCAAGCTGGGCACTTCTGGAGACACACGACACTCTGCTATGAAGACACTCAGGAGCAAG	180
QY	181	ATGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGCAACGTG	240
DB	181	ATGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGCAACGTG	240
QY	241	GGCGCTCTGGAGACACGACACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
DB	241	GGCGCTCTGGAGACACGACACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
QY	301	TGGTGTGCCACTGCTTCCCTGCTGAGGAGGAGCGGCAAGCAAGTGGGCGCTTGG	360
DB	301	TGGTGTGCCACTGCTTCCCTGCTGAGGAGGAGCGGCAAGCAAGTGGGCGCTTGG	360
QY	361	GGAGACTACGATGACAGTGCCTTCTATGAGCCAGGTACAGGTCCTGGGAGAGATCTG	420
DB	361	GGAGACTACGATGACAGTGCCTTCTATGAGCCAGGTACAGGTCCTGGGAGAGATCTG	420
QY	421	GACAACTCCACAGAGTGCCTGCTGAGGAGGAGCGGCAAGCAAGTGGGCGCTTGG	480
DB	421	GACAACTCCACAGAGTGCCTGCTGAGGAGGAGCGGCAAGCAAGTGGGCGCTTGG	480
QY	481	CTCAGGGACACTGACGTTCAAGCAAGGACAAAGAGGAGGAGTGCCTACATCTGGCC	540
DB	481	CTCAGGGACACTGACGTTCAAGCAAGGACAAAGAGGAGGAGTGCCTACATCTGGCC	540
QY	541	TCTGCAATGGGAATTCAGAAAGTATGAAGTCTCTGCTGGAGACGATGCAACTTAAT	600
DB	541	TCTGCAATGGGAATTCAGAAAGTATGAAGTCTCTGCTGGAGACGATGCAACTTAAT	600
QY	601	GTCTTGCACACAAAGAGGAGGAGGAGTCTGATAAGGCGGTACAAATGCCAGAGATGAA	660
DB	601	GTCTTGCACACAAAGAGGAGGAGGAGTCTGATAAGGCGGTACAAATGCCAGAGATGAA	660

QY	661	TGTGGCTTAATGTTGCTGGAAACATGCACTGATCCAAATATTTCCAGATGAGTATGAAAT	720
DB	661	TGTGGCTTAATGTTGCTGGAAACATGCACTGATCCAAATATTTCCAGATGAGTATGAAAT	720
QY	721	ACCACCTCTGCACTACGCTATCTATATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780
DB	721	ACCACCTCTGCACTACGCTATCTATATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780
QY	781	TATGCTGTGATATCGAATCAAAAACAAAGCATGGCTCCACACCACTGTTTACTTGGTGA	840
DB	781	TATGCTGTGATATCGAATCAAAAACAAAGCATGGCTCCACACCACTGTTTACTTGGTGA	840
QY	841	CATGACAAAACACAGCACTGCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA	900
DB	841	CATGACAAAACACAGCACTGCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA	900
QY	901	CTGGATAGATATGGAAGGACTGCTCTCATACATGATGTTGTTGGATCAGCAAGTATA	960
DB	901	CTGGATAGATATGGAAGGACTGCTCTCATACATGATGTTGTTGGATCAGCAAGTATA	960
QY	961	GTGACCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAG	1020
DB	961	GTGACCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAG	1020
QY	1021	GCACAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCCAGTACTTTCTGACTAC	1080
DB	1021	GCACAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCCAGTACTTTCTGACTAC	1080
QY	1081	AAAGAAAACACAGATGCTTCTTCTGAAAACAGCAATCCAGAACACAGCACTTAAAG	1140
DB	1081	AAAGAAAACACAGATGCTTCTTCTGAAAACAGCAATCCAGAACACAGCACTTAAAG	1140
QY	1141	CTGACATCAGAGGAAGTCTCAAAAGTTCAAAAGCAGTGAATAGCCAGCAGAGAAA	1200
DB	1141	CTGACATCAGAGGAAGTCTCAAAAGTTCAAAAGCAGTGAATAGCCAGCAGAGAAA	1200
QY	1201	ATGCTCTCAAGACCAAGAAATTAATAGGATGGTATAGAGAGTTGAAGAGAAATGAAG	1260
DB	1201	ATGCTCTCAAGACCAAGAAATTAATAGGATGGTATAGAGAGTTGAAGAGAAATGAAG	1260
QY	1261	AAGCATGAAAGTAAATGTTGGATTAATAGAAAACCTGACTTAATGGTGTCTGCTGGC	1320
DB	1261	AAGCATGAAAGTAAATGTTGGATTAATAGAAAACCTGACTTAATGGTGTCTGCTGGC	1320
QY	1321	AATGCTGATATGATTAATCTCTCAAAAGGAGAGCAACACCTGAAATCAGCAATTT	1380
DB	1321	AATGCTGATATGATTAATCTCTCAAAAGGAGAGCAACACCTGAAATCAGCAATTT	1380
QY	1381	CCTGACAAAGGAGTGAAGAGTATCAGAGATTTTGGGAATTTGCGAATTTCTGACTACAAGAA	1440
DB	1381	CCTGACAAAGGAGTGAAGAGTATCAGAGATTTTGGGAATTTGCGAATTTCTGACTACAAGAA	1440
QY	1441	AAACAGATGCCAAAATACTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA	1500
DB	1441	AAACAGATGCCAAAATACTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA	1500
QY	1501	TCAGAGGAGAGTCAAAAGGCTTGAGGCGAGTGAATGGCCAGCCAGAGCTAGAAAAT	1560
DB	1501	TCAGAGGAGAGTCAAAAGGCTTGAGGCGAGTGAATGGCCAGCCAGAGCTAGAAAAT	1560
QY	1561	TTTATGGCTATCGAGAAATGAAGAGCAGCGAAGTACTCATGTGCGGATTTCCAGAAAC	1620
DB	1561	TTTATGGCTATCGAGAAATGAAGAGCAGCGAAGTACTCATGTGCGGATTTCCAGAAAC	1620
QY	1621	CTGACTAATGTTGCCACTGCTGGCAATGATGATGATTAATCTCCCAAGGAGAGC	1680
DB	1621	CTGACTAATGTTGCCACTGCTGGCAATGATGATGATTAATCTCCCAAGGAGAGC	1680
QY	1681	AGAACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGATATCAGAGTACGAA	1740
DB	1681	AGAACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGATATCAGAGTACGAA	1740
QY	1741	CAAAATGATCTCAGAACCAATTTTGTGAAGAACAGACACTGGAATATTACAGATGAG	1800

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Db 1741 CAAAATGATACTCAGAGCAATTTTGTGAAGACAGACACTGGAATATTACAGATGAG 1800
QY 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAAATCTGAGCTTCT 1860
Db 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAAATCTGAGCTTCT 1860
QY 1861 CTTAGTTGTAAGAAAGAAAGACATCTTTCATGAAATAGTACGTTGCGGGAAGAAAT 1920
Db 1861 CTTAGTTGTAAGAAAGAAAGACATCTTTCATGAAATAGTACGTTGCGGGAAGAAAT 1920
QY 1921 GCATCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAA 1980
Db 1921 GCATCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAA 1980
QY 1981 AAAAAA 2000
Db 1981 AAAAAA 2000
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RESULT 3

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US-09-895-793-374
; Sequence 374, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stoik, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-374
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Query Match 100.08; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.08; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGTGGTTGAGTTGATTCCATCGCGGCTGCCCTTCTGTGAAGAGCCATTGGTCTC 60
Db 1 ATGGTGGTTGAGTTGATTCCATCGCGGCTGCCCTTCTGTGAAGAGCCATTGGTCTC 60
QY 61 AGGAGCAGATGGGCAAGTGTGCTGCCCTTCCCTCTCGAGGAGAGCGGCAAG 120
Db 61 AGGAGCAGATGGGCAAGTGTGCTGCCCTTCCCTCTCGAGGAGAGCGGCAAG 120
QY 121 AGCAAGCTGGGCACTTCTGGAGACCAGCAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
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Db 121 AGCAAGCTGGGCACTTCTGGAGACCAGCAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTTGTGCGAGGGAGTGGCAGAGCAACAGTG 240
Db 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTTGTGCGAGGGAGTGGCAGAGCAACAGTG 240
QY 241 GCGGCTTCTGGAGACCCAGCAGCACTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
Db 241 GCGGCTTCTGGAGACCCAGCAGCACTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
QY 301 TGGTGTGCTGCTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGCAAGTGGCGGCTTGG 360
Db 301 TGGTGTGCTGCTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGCAAGTGGCGGCTTGG 360
QY 361 GGAGACTACGATGACAGTGGCTTTCATGAGGCCAGGTACACGCTCGTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTGGCTTTCATGAGGCCAGGTACACGCTCGTGGAGAGATCTG 420
QY 421 GACAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGATCTCATCGTCATG 480
Db 421 GACAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGATCTCATCGTCATG 480
QY 481 CTCAGGACACTGACGTGAACAAAGAGGACAAAGAGGAGGACTCTCTACATCTGGCC 540
Db 481 CTCAGGACACTGACGTGAACAAAGAGGACAAAGAGGAGGACTCTCTACATCTGGCC 540
QY 541 TCTGCCAATGGGAATTCAGAACTAGTAAACTCTGCTGCGAGAGAGTGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAACTAGTAAACTCTGCTGCGAGAGAGTGTCAACTTAAT 600
QY 601 GTCCCTTGACAAACAAAGAGGACAGCTGTGATAAGGCGGTCAATGCCAGGAAGATGAA 660
Db 601 GTCCCTTGACAAACAAAGAGGACAGCTGTGATAAGGCGGTCAATGCCAGGAAGATGAA 660
QY 661 TGTGCGTTAATGTTGCTGGAACATGCACTGTATCAAAATPATTCCAGATGAGTGGAAAT 720
Db 661 TGTGCGTTAATGTTGCTGGAACATGCACTGTATCAAAATPATTCCAGATGAGTGGAAAT 720
QY 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCCAAGACACTGCTCTTA 780
Db 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCCAAGACACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAAACAGCATGGCTCACACCACTGTTTACTTGTGTA 840
Db 781 TATGCTGCTGATATCGAATCAAAAACAGCATGGCTCACACCACTGTTTACTTGTGTA 840
QY 841 CATGAGCAAAAACAGCAAGTGTGTAATTTTAAATCAAGAAAAAGCGAAATTTAAATGCA 900
Db 841 CATGAGCAAAAACAGCAAGTGTGTAATTTTAAATCAAGAAAAAGCGAAATTTAAATGCA 900
QY 901 CTGGATAGATATGGAAGCACTGCTCATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGGAAGCACTGCTCATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
QY 961 GTCAGCCCTTCTACTTGAGCAAAAATTTGATGATCTTCTCAAGATCTATCTCGACAGAG 1020
Db 961 GTCAGCCCTTCTACTTGAGCAAAAATTTGATGATCTTCTCAAGATCTATCTCGACAGAG 1020
QY 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
Db 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
QY 1081 AAAGAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAAG 1140
Db 1081 AAAGAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAAG 1140
QY 1141 CTGACATCAGAGGAGAGTACAAAGGTTCAAGGCAAGTGAAGATAGCAGGAGCAAG 1200
Db 1141 CTGACATCAGAGGAGAGTACAAAGGTTCAAGGCAAGTGAAGATAGCAGGAGCAAG 1200
QY 1201 ATGCTCAAGAACAGAAATTAATAGGATGCTGATAGAGAGTTGAAGAAATGAAG 1260
Db 1201 ATGCTCAAGAACAGAAATTAATAGGATGCTGATAGAGAGTTGAAGAAATGAAG 1260
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Db 1201 ATGCTCAAGAACCCAGAAATAAATAGGATGGTGATGAGAGGTTGAAGAAGAAATGAAG 1260
Qy 1261 AAGCATGAAGTAATAATGTGGGATTAAGTAAACCTGACTAATAGTGTCTACCTGCTGGC 1320
Db 1261 AAGCATGAAGTAATAATGTGGGATTAAGTAAACCTGACTAATAGTGTCTACCTGCTGGC 1320
Qy 1321 AATGGTGATTAATGGATTAATTCCTCAAGGAAGAGCAGAACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATTAATGGATTAATTCCTCAAGGAAGAGCAGAACCTGAAATCAGCAATTT 1380
Qy 1381 CCTGACAAACCAAGTGAAGAGTATCAGAAATTTGCGAATAGTTCTGACTACAAAGAA 1440
Db 1381 CCTGACAAACCAAGTGAAGAGTATCAGAAATTTGCGAATAGTTCTGACTACAAAGAA 1440
Qy 1441 AAACAGATGCCAAATACTCTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATACTCTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
Qy 1501 TCAGAGGAAGATCACAAGGCTTGAGGCGAGTGAAATGGCCAGCAGAGCTAGAAAAT 1560
Db 1501 TCAGAGGAAGATCACAAGGCTTGAGGCGAGTGAAATGGCCAGCAGAGCTAGAAAAT 1560
Qy 1561 TTTATGGCTATCGAAGAAATGAAGAACCCAGGAGTACTCATGTGCGGATTCGCCAGAAAC 1620
Db 1561 TTTATGGCTATCGAAGAAATGAAGAACCCAGGAGTACTCATGTGCGGATTCGCCAGAAAC 1620
Qy 1621 CTGACTAATGGTCCACTGCTGCAATGGTGATGATGATTAATTCCTCCAGGAAGAGC 1680
Db 1621 CTGACTAATGGTCCACTGCTGCAATGGTGATGATGATTAATTCCTCCAGGAAGAGC 1680
Qy 1681 AGAACACCTGAAGGCGAGCAATTTCTGACACTGAGAATGAAGAGTATCACAGTGAGAA 1740
Db 1681 AGAACACCTGAAGGCGAGCAATTTCTGACACTGAGAATGAAGAGTATCACAGTGAGAA 1740
Qy 1741 CAAATGATACCTCAGAGCAATTTTGTGAAGAACAGCACTGGAATATTAACAGGATGAG 1800
Db 1741 CAAATGATACCTCAGAGCAATTTTGTGAAGAACAGCACTGGAATATTAACAGGATGAG 1800
Qy 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCGAGCTTCT 1860
Db 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCGAGCTTCT 1860
Qy 1861 CTTAGTTGAAGAAAGAAAGACATCTTGCAATGAAATAGTACGTTGCGGGAAGAAAT 1920
Db 1861 CTTAGTTGAAGAAAGAAAGACATCTTGCAATGAAATAGTACGTTGCGGGAAGAAAT 1920
Qy 1921 GCATCCTAAGACTGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAGAAAAA 1980
Db 1921 GCATCCTAAGACTGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAGAAAAA 1980
Qy 1981 AAAAAAAAAAAAAAAAAA 2000
Db 1981 AAAAAAAAAAAAAAAAAA 2000
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RESULT 4

US-09-895-814-374

; Sequence 374, Application US/09895814

; Publication No. US20020193296A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Xuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

```
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fauger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895.814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-374
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Query Match

100.0%; Score 2000; DB 9; Length 2000;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ATGCTGTTGAGGTTGATTCATCCCGGCTGCCCTTCTGTGAAAGAACCAATTTGGTCTC 60
Db 1 ATGCTGTTGAGGTTGATTCATCCCGGCTGCCCTTCTGTGAAAGAACCAATTTGGTCTC 60
Qy 61 AGGAGCAAGATGGCAAGTGGTCTGCCCTGCTTCCCTGCTGCAGGGAGAGGGCAAG 120
Db 61 AGGAGCAAGATGGCAAGTGGTCTGCCCTGCTTCCCTGCTGCAGGGAGAGGGCAAG 120
Qy 121 AGCAACGTGGGCACTTCTGGAGACCAAGACGACTCTCTATGAAGACACTCAGAGCAAG 180
Db 121 AGCAACGTGGGCACTTCTGGAGACCAAGACGACTCTCTATGAAGACACTCAGAGCAAG 180
Qy 181 ATGGGCAAGTGGTGGCCCACTGCTTCCCTGCTGCAGGGGAGTGCAAGCAAGCTG 240
Db 181 ATGGGCAAGTGGTGGCCCACTGCTTCCCTGCTGCAGGGGAGTGCAAGCAAGCTG 240
Qy 241 GGGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGAGCAAGATGGGCAAG 300
Db 241 GGGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGAGCAAGATGGGCAAG 300
Qy 301 TGTGCTGCCACTGCTTCCCTGCTGCAGGGGAGGGCAAGCAAGTGGGCGCTGG 360
Db 301 TGTGCTGCCACTGCTTCCCTGCTGCAGGGGAGGGCAAGCAAGTGGGCGCTGG 360
Qy 361 GGAGACTACGATCAGAGTGGCTTTCATGGAGCCAGGTACACGTCGCTGAGAGATCTG 420
Db 361 GGAGACTACGATCAGAGTGGCTTTCATGGAGCCAGGTACACGTCGCTGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGCTGCTGTTGGGTAAGTCCCAAGAAAGGATCTCATCTGTCATG 480
Db 421 GACAAGCTCCACAGAGCTGCTGTTGGGTAAGTCCCAAGAAAGGATCTCATCTGTCATG 480
Qy 481 CTCAGGGACACTGACGTGAACAAAGAGGACCAAGAAAGAGGACTGCTCTACATCTGGCC 540
Db 481 CTCAGGGACACTGACGTGAACAAAGAGGACCAAGAAAGAGGACTGCTCTACATCTGGCC 540
Qy 541 TGTGCCAATGGGAATTCAGAAGTAGTAAAACTCCTGCTGGACAGACGATGTCAACTTAAT 600
Db 541 TGTGCCAATGGGAATTCAGAAGTAGTAAAACTCCTGCTGGACAGACGATGTCAACTTAAT 600
Qy 601 GTCCCTTGACAACAAAGAGGACAGCTCTGATAAAGCCGCTACAAATGCCAGGAGATGAA 660
Db 601 GTCCCTTGACAACAAAGAGGACAGCTCTGATAAAGCCGCTACAAATGCCAGGAGATGAA 660
Qy 661 TGTGCGTTAATGTTGCTGGAACATGGCACTGTATCCAAATATTCAGATGAGTATGAAAT 720
Db 661 TGTGCGTTAATGTTGCTGGAACATGGCACTGTATCCAAATATTCAGATGAGTATGAAAT 720
```

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QY 721 ACCACTGCTAGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
Db 721 ACCACTGCTAGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAAACAAAGCATGGCCCTCACACCACTGTTACTTGGTGA 840
Db 781 TATGCTGCTGATATCGAATCAAAAACAAAGCATGGCCCTCACACCACTGTTACTTGGTGA 840
QY 841 CATGAGCAAAAACAGCAAGCTGCTGAAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA 900
Db 841 CATGAGCAAAAACAGCAAGCTGCTGAAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA 900
QY 901 CTGGATAGATATGAAGAGCTGCTCTCATACTTCTCTATATGTTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGAAGAGCTGCTCTCATACTTCTCTATATGTTGGATCAGCAAGTATA 960
QY 961 CTCAGCCTTCTACTTGGACCAAAATATTGATGATCTTCTCAAGATCTATCTGACAGAG 1020
Db 961 CTCAGCCTTCTACTTGGACCAAAATATTGATGATCTTCTCAAGATCTATCTGACAGAG 1020
QY 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
Db 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
QY 1081 AAAGAAAACAGATGCTTAAATAATCTTCTGAAACAGCAATCCAGAACAGACTTAAAG 1140
Db 1081 AAAGAAAACAGATGCTTAAATAATCTTCTGAAACAGCAATCCAGAACAGACTTAAAG 1140
QY 1141 CTGACATCAGAGGAAGAGTCACAAAGGTTCAAAGGCTTCAAAGGCTGAAATAGCCAGCAAGAA 1200
Db 1141 CTGACATCAGAGGAAGAGTCACAAAGGTTCAAAGGCTTCAAAGGCTGAAATAGCCAGCAAGAA 1200
QY 1201 ATGTCTCAAGAACAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAAGAAATGAAG 1260
Db 1201 ATGTCTCAAGAACAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAAGAAATGAAG 1260
QY 1261 AAGCATGAAGTATATATGTTGGATTTACTAGAAACCTGACTAATGGTGTCTGCTGGC 1320
Db 1261 AAGCATGAAGTATATATGTTGGATTTACTAGAAACCTGACTAATGGTGTCTGCTGGC 1320
QY 1321 AATGGTATATGATTAATCTCTCAAGCAAGAGCAGACACTGAAATCAGCAATTT 1380
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QY 1381 CCTGACAAAGAGTGAAGATATCACAGAAATTTGGGAATTTAGTTTCTGACTACAAAGAA 1440
Db 1381 CCTGACAAAGAGTGAAGATATCACAGAAATTTGGGAATTTAGTTTCTGACTACAAAGAA 1440
QY 1441 AAACAGATGCCAAATFACTCTCTGAAACAGCAACCCAGCAACAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATFACTCTCTGAAACAGCAACCCAGCAACAGACTTAAAGCTGACA 1500
QY 1501 TCAGAGGAAGAGTCACAAAGGCTTGGGGCAGTGAATAATGGCCAGCCAGAGCTAGAAAT 1560
Db 1501 TCAGAGGAAGAGTCACAAAGGCTTGGGGCAGTGAATAATGGCCAGCCAGAGCTAGAAAT 1560
QY 1561 TTTATGGCTATCGAAGAAATGAAGAACAGCGGAGTACTCATGTCCGATTTCCAGAAAAAC 1620
Db 1561 TTTATGGCTATCGAAGAAATGAAGAACAGCGGAGTACTCATGTCCGATTTCCAGAAAAAC 1620
QY 1621 CTGACTAATGGTCCCACTGCTGCAATGGTGATGATGATTAATTCCTCCAGGAAGAGC 1680
Db 1621 CTGACTAATGGTCCCACTGCTGCAATGGTGATGATGATTAATTCCTCCAGGAAGAGC 1680
QY 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAATGAAGATACACAGTGACGAA 1740
Db 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAATGAAGATACACAGTGACGAA 1740
QY 1741 CAAATGATATCTCAGAGCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAG 1800
Db 1741 CAAATGATATCTCAGAGCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAG 1800
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QY 1801 ATTCTGATTTCATGAAGAAAAAGCAGATAGAAAGTGGTTGCAAAAAATGAATTTCTGACCTTCT 1860
Db 1801 ATTCTGATTTCATGAAGAAAAAGCAGATAGAAAGTGGTTGCAAAAAATGAATTTCTGACCTTCT 1860
QY 1861 CTTAGTGTGAAGAAAAAGACATCTTCATCAAAATAGTAGCTTTCGCGGAAGAAATTT 1920
Db 1861 CTTAGTGTGAAGAAAAAGACATCTTCATCAAAATAGTAGCTTTCGCGGAAGAAATTT 1920
QY 1921 GCCATGCTAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
Db 1921 GCCATGCTAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
QY 1981 AAAAAAAGAAAAAAGAAAAA 2000
Db 1981 AAAAAAAGAAAAAAGAAAAA 2000

RESULT 5
US-10-010-940-374
; Sequence 374, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427D3
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-010-940-374
```

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Query Match 100.0%; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
Db 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
QY 61 AGAGCAAGATGGGCAAGTGGTCTGCCCTTGTCTCCCTGCTCAGGAGAGCGGCAAG 120
Db 61 AGAGCAAGATGGGCAAGTGGTCTGCCCTTGTCTCCCTGCTCAGGAGAGCGGCAAG 120
QY 121 AGCAGGTGGGCACCTTCTGGAGCACCAGCAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 121 AGCAGGTGGGCACCTTCTGGAGCACCAGCAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGCCACTGCTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
Db 181 ATGGGCAAGTGGTGGCGCCACTGCTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
QY 241 GCGCTTCTGGAGACACAGCAGCTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
Db 241 GCGCTTCTGGAGACACAGCAGCTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
QY 301 TGGTCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGAGTGGGCGCTTGG 360
Db 301 TGGTCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGAGTGGGCGCTTGG 360
```


APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-759-143-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTGGAGTTGATTCCTCCATGCCGCTGCTCTCTGTGAAGAGCCATTGTGCTC 60
DB 1 ATGGTGGTGGAGTTGATTCCTCCATGCCGCTGCTCTCTGTGAAGAGCCATTGTGCTC 60

QY 61 AGAGCAAGATGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
DB 61 AGAGCAAGATGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120

QY 121 AGCAAGCTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCA 180
DB 121 AGCAAGCTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCA 180

QY 181 ATGGGCAAGTGGTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCA 240
DB 181 ATGGGCAAGTGGTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCA 240

QY 241 GCGGCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCAAGATGGGCAAG 300
DB 241 GCGGCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCAAGATGGGCAAG 300

QY 301 TGGTGTGCACTGCTTCCCTGCTGCAAGGGGAGGCAAGCAAGTGGGCGCTGG 360
DB 301 TGGTGTGCACTGCTTCCCTGCTGCAAGGGGAGGCAAGCAAGTGGGCGCTGG 360

QY 361 GGAGACTACGATGACAGTGCCCTTCATGGAGCCACGATACCGCTCCGTTGGAGAAATCTG 420
DB 361 GGAGACTACGATGACAGTGCCCTTCATGGAGCCACGATACCGCTCCGTTGGAGAAATCTG 420

QY 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAGTCCCGAGAAAGATCTCATCTCATG 480
DB 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAGTCCCGAGAAAGATCTCATCTCATG 480

QY 481 CTCAGGACACTGACGTGACAAAGAGGACACAGCAAGCAAGTGGGCGCTGGCC 540
DB 481 CTCAGGACACTGACGTGACAAAGAGGACACAGCAAGCAAGTGGGCGCTGGCC 540

QY 541 TCTGCCAATGGGAATTCAGAAAGTGTAAAGTCCCTGCTGGAGACGATGTCAACTTAAT 600
DB 541 TCTGCCAATGGGAATTCAGAAAGTGTAAAGTCCCTGCTGGAGACGATGTCAACTTAAT 600

QY 601 GTCCTTGACACAAAGAGGACGACTCTGTATAAAGCGCGTACAAATGCCAGGATGAA 660
DB 601 GTCCTTGACACAAAGAGGACGACTCTGTATAAAGCGCGTACAAATGCCAGGATGAA 660

QY 661 TGTGGTAAATGCTGCGACATGGCACTGATCCAAATATCCAGATGATGATGAAAT 720
DB 661 TGTGGTAAATGCTGCGACATGGCACTGATCCAAATATATCCAGATGATGATGAAAT 720

QY 721 ACCACTCTGCTACGCTATCTATATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 721 ACCACTCTGCTACGCTATCTATATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780

QY 781 TATGGTGGTCTGATATCGAATCAAAAACCAAGTGGCTCACACCACTGTTTACTTGGTGA 840
DB 781 TATGGTGGTCTGATATCGAATCAAAAACCAAGTGGCTCACACCACTGTTTACTTGGTGA 840

QY 841 CATGAGCAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
DB 841 CATGAGCAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900

QY 901 CTGGATAGATATGGAAGGACTGCTCATCTCTGCTGATGTTGTTGATGATGATGATGAT 960
DB 901 CTGGATAGATATGGAAGGACTGCTCATCTCTGCTGATGTTGTTGATGATGATGATGAT 960

QY 961 GTCAGCCTTCTACTTGGCAAAAATATTGATGATCTTCTCAAGATCTATCTGACAGAG 1020
DB 961 GTCAGCCTTCTACTTGGCAAAAATATTGATGATCTTCTCAAGATCTATCTGACAGAG 1020

QY 1021 GCCAGAGATGCTGCTTCTAGTCTCATCTATGTTGCTGCTGCTGCTGCTGCTGCTGCT 1080
DB 1021 GCCAGAGATGCTGCTTCTAGTCTCATCTATGTTGCTGCTGCTGCTGCTGCTGCTGCT 1080

QY 1081 AAGAAAAACAGATGCTAAAAATCTCTCTGAAAAACAGCAATCCAGAACAGACTTAAAG 1140
DB 1081 AAGAAAAACAGATGCTAAAAATCTCTCTGAAAAACAGCAATCCAGAACAGACTTAAAG 1140

QY 1141 CTGACATCAGAGGAAGAGTCAACAAGGTTCAAGGCGAGTGAATAAGTCCAGCAGAGAA 1200
DB 1141 CTGACATCAGAGGAAGAGTCAACAAGGTTCAAGGCGAGTGAATAAGTCCAGCAGAGAA 1200

QY 1201 ATGTCTCAAGAACCCAGAAATAAATAGGATGGTATAGAGAGGTTGAAGAAGAAATGAAG 1260
DB 1201 ATGTCTCAAGAACCCAGAAATAAATAGGATGGTATAGAGAGGTTGAAGAAGAAATGAAG 1260

QY 1261 AAGCATGAAAGTAAATATGTTGGATTTACTAGAAAACCTGACTTAATGGTGTCTACTGCT 1320
DB 1261 AAGCATGAAAGTAAATATGTTGGATTTACTAGAAAACCTGACTTAATGGTGTCTACTGCT 1320

QY 1321 AATGTGTAATGGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAAATCAGCAATTT 1380
DB 1321 AATGTGTAATGGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAAATCAGCAATTT 1380

QY 1381 CTTGACAGCAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
DB 1381 CTTGACAGCAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440

QY 1441 AAACAGATGCCAAAATCTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
DB 1441 AAACAGATGCCAAAATCTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500

QY 1501 TCAGAGGAAGAGTCAAAAAGGCTTGAGGCGAGTGAATAAGTGGCCAGAGAGCTAGAAAAT 1560
DB 1501 TCAGAGGAAGAGTCAAAAAGGCTTGAGGCGAGTGAATAAGTGGCCAGAGAGCTAGAAAAT 1560

QY 1561 TTTATGGCTATCGAAGAAATGAAGAGCAGCGAAGTACTCATGTGCGGATTTCCAGAAAAC 1620
DB 1561 TTTATGGCTATCGAAGAAATGAAGAGCAGCGAAGTACTCATGTGCGGATTTCCAGAAAAC 1620

QY 1621 CTGACTAATGGTGGCACTGCTGGCAATGGTATGATGATTAATTCCTCCAGGAGAGC 1680
DB 1621 CTGACTAATGGTGGCACTGCTGGCAATGGTATGATGATTAATTCCTCCAGGAGAGC 1680

QY 1681 AGAACACCTGAAAGCAGCAATTTCTGACACTGAGATGAAGAGTATCAGATGACGAA 1740
DB 1681 AGAACACCTGAAAGCAGCAATTTCTGACACTGAGATGAAGAGTATCAGATGACGAA 1740

QY 1741 CAAATGATGATGAGAAAGCAATTTTGTGAAAGAACAGAACTGGAATATTACAGATGAG 1800
DB 1741 CAAATGATGATGAGAAAGCAATTTTGTGAAAGAACAGAACTGGAATATTACAGATGAG 1800

QY 1801 ATCTGATCATGAAGAAAGCAGATAGAGCTGGTTGAAATAATGAATTCAGCTTCT 1860
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1801 ATCTGATCATGAAGAAAGCAGATAGAGCTGGTTGAAATAATGAATTCAGCTTCT 1860
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1861 CTTAGTGTGAAGAAAGAAAGACATCTTGCATGAAATAGTACGTTGCGGGAAGAAAT 1920
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1861 CTTAGTGTGAAGAAAGAAAGACATCTTGCATGAAATAGTACGTTGCGGGAAGAAAT 1920
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1921 GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAA 1980
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1921 GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAA 1980
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1981 AAAAAAAAAAAAAAAAAAAAA 2000
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1981 AAAAAAAAAAAAAAAAAAAAA 2000

RESULT 8

US-09-780-669-374
; Sequence 374, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780.669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374

; LENGTH: 2000

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-780-669-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTTGAGTTGATTCATCCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
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1 ATGGTGGTTGAGTTGATTCATCCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
QY 61 AGGAGCAGATGGCAAGTGTGTCGCTGCTTCCCTGCTGCAGGGAGAGCGCAAG 120
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
61 AGGAGCAGATGGCAAGTGTGTCGCTGCTTCCCTGCTGCAGGGAGAGCGCAAG 120
QY 121 AGCAAGTGGCACTTCTGGAGACACGACGACTCTGCTATGAGACACTCAGGAGCAAG 180
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
121 AGCAAGTGGCACTTCTGGAGACACGACGACTCTGCTATGAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTCCGCCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGCAAGCTG 240
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db 181 ATGGCAAGTGGTCCGCCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGCAAGCTG 240
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241 GCGCTTCTGAGAGCCAGCAGACTCTGCTATGAAGACACTCAGCAACAAGATGGCAAG 300
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301 TGGTGTGCCACTGCTTCCCTGCTGCAGGGGAGCGCAAGAGCAAGGTGGGCTTGG 360
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301 TGGTGTGCCACTGCTTCCCTGCTGCAGGGGAGCGCAAGAGCAAGGTGGGCTTGG 360
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361 GGAGACTACGATGACAGTGCCTTCATGGAGCCAGGTACCACTCCGTTGGAGAAATCTG 420
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421 GACAAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCAAGAAAGATCTCATCTCATG 480
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421 GACAAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCAAGAAAGATCTCATCTCATG 480
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481 CTCAGGGACACTGCGTGAACAAGNAGCAAGCAAGCAAGAGAGACTGCTCTCATCTG 540
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601 GTCCTTGACAACAAAAAGAGAGCAGCTCTGTATAAGGCGGTACATGCCAGGAAGTAA 660
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601 GTCCTTGACAACAAAAAGAGAGCAGCTCTGTATAAGGCGGTACATGCCAGGAAGTAA 660
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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661 TGTGCGTTAATGTTGCTGGAAACATGGCAGTCCCAATATTCAGATGAGTATGGAAT 720
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
721 ACCACTGTGCACACTAGCTATCTATATGAAGATAAATTAATGCGCAAGAGCTGCTCT 780
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
721 ACCACTGTGCACACTAGCTATCTATATGAAGATAAATTAATGCGCAAGAGCTGCTCT 780
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
781 TATGCTGCTGATATCGAATCAAAAACAGCATGGCCTTCACACCACTGTTACTTGGTCT 840
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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841 CATGAGCAAAAACAGCAGCTGCTGAAATTTTATCAAGAAAAAGCGAATTAATGCA 900
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841 CATGAGCAAAAACAGCAGCTGCTGAAATTTTATCAAGAAAAAGCGAATTAATGCA 900
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901 CTGGATAGATATGAAGAGCTGCTCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
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901 CTGGATAGATATGAAGAGCTGCTCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
961 GTCAGCCTTCTACTTGGAGCAAAAATATTGATGATGATCTTCTCAAGATCTATCTGG 1020
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
961 GTCAGCCTTCTACTTGGAGCAAAAATATTGATGATGATCTTCTCAAGATCTATCTGG 1020
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1021 GCCAGAGATGCTGTTCTTAGTCATCATCATGTAATTTGCCAGTACTTTCTGACTAC 1080
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1021 GCCAGAGATGCTGTTCTTAGTCATCATCATGTAATTTGCCAGTACTTTCTGACTAC 1080
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1081 AAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1140
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1141 CTGACATCAGAGGAAGAGTCAAAAAGTTTCAAGGCGAGTGAATAAGTACGCCAGCA 1200
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1141 CTGACATCAGAGGAAGAGTCAAAAAGTTTCAAGGCGAGTGAATAAGTACGCCAGCA 1200
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1201 ATGCTCAAGAACCCAGAAATAAATGAAGTGGTGTATGAGAGAGTGAAGAAATGAAG 1260
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1201 ATGCTCAAGAACCCAGAAATAAATGAAGTGGTGTATGAGAGAGTGAAGAAATGAAG 1260
QY |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1261 AAGCATGAAAGTAAATATGTTGGGATTACTAGAAAACTGACTTAATGTTGCTGCTGCT 1320
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
1261 AAGCATGAAAGTAAATATGTTGGGATTACTAGAAAACTGACTTAATGTTGCTGCTGCT 1320

Qy	1321	AATGGTGATAATGGATTAAATTCCTCAAGGAAGACAGACACCTGAAAAATCAGCAATTT	1380
Db	1321	AATGGTGATAATGGATTAAATTCCTCAAGGAAGACAGACACCTGAAAAATCAGCAATTT	1380
Qy	1381	CCGTGACAAACGAAAGTGAAGAGTATCAGAGAAATTTGCGAATTAGTTCTGACTACAAAGAA	1440
Db	1381	CCGTGACAAACGAAAGTGAAGAGTATCAGAGAAATTTGCGAATTAGTTCTGACTACAAAGAA	1440
Qy	1441	AAACAGATGCCAAAATACTCTCTGAAAAACAGCAACCAGCAACCAAGACTTTAAAGCTGACA	1500
Db	1441	AAACAGATGCCAAAATACTCTCTGAAAAACAGCAACCAGCAACCAAGACTTTAAAGCTGACA	1500
Qy	1501	TCAGAGGAAGAGTCACAAAGCCTTGAGGGCAGTGAATAATGCCAGCGCAGAGCTAGAAAAT	1560
Db	1501	TCAGAGGAAGAGTCACAAAGCCTTGAGGGCAGTGAATAATGCCAGCGCAGAGCTAGAAAAT	1560
Qy	1561	TTTATGGCTATCGAAGAAATGAAGAGCAGCGGAAGTACTCATGTCGGATTCCCGAGAAAC	1620
Db	1561	TTTATGGCTATCGAAGAAATGAAGAGCAGCGGAAGTACTCATGTCGGATTCCCGAGAAAC	1620
Qy	1621	CTGACTAATGGTGCCACTGCTGGCAATGGTGATGGATTAATTCCTCCAAGGAAGAGC	1680
Db	1621	CTGACTAATGGTGCCACTGCTGGCAATGGTGATGGATTAATTCCTCCAAGGAAGAGC	1680
Qy	1681	AGAACACCTGAAAGCCAGCAATTCCTGACACTGAGATGAAGATGAAGAGTATCACAGTGACGAA	1740
Db	1681	AGAACACCTGAAAGCCAGCAATTCCTGACACTGAGATGAAGATGAAGAGTATCACAGTGACGAA	1740
Qy	1741	CAAAATGATACTCAGAAAGCAATTTGTGAAGACAGAAACACTGGAATATTACACGATGAG	1800
Db	1741	CAAAATGATACTCAGAAAGCAATTTGTGAAGACAGAAACACTGGAATATTACACGATGAG	1800
Qy	1801	ATTCTGATTATCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCAGCTTTCT	1860
Db	1801	ATTCTGATTATCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCAGCTTTCT	1860
Qy	1861	CTTAGTTGTAAGAAAGAAAGACATCTTCATGAAAAATAGTACGTTGGGGGAAGAAAT	1920
Db	1861	CTTAGTTGTAAGAAAGAAAGACATCTTCATGAAAAATAGTACGTTGGGGGAAGAAAT	1920
Qy	1921	GCATCCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAANAANA	1980
Db	1921	GCATCCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAANAANA	1980
Qy	1981	AAAAAAAAAAAAAAAAAAAA 2000	
Db	1981	AAAAAAAAAAAAAAAAAAAA 2000	

RESULT 9

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US-09-810-936-302
; Sequence 302, Application US/09810936
; Patent No. US20020068285A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misner, Linda E.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C11
; CURRENT APPLICATION NUMBER: US/09/810,936
; CURRENT FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 302

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961 QY GTGAGCTTCTACTTGAGCAATATTTGATGATCTTCTCAAGATCTATCTGACAGAGC 1020
961 Db GTGAGCTTCTACTTGAGCAATATTTGATGATCTTCTCAAGATCTATCTGACAGAGC 1020
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1021 Db GCCAGAGATGATGCTTTCTAGTCTATCATCATGTAATTTGCCAGTTACTTTCTGACTAC 1080
1081 QY AAGAAAAACAGATGCTAAAAATCTCTTCTGAAACAGCAATCCAGAAACAGACTTAAG 1140
1081 Db AAGAAAAACAGATGCTAAAAATCTCTTCTGAAACAGCAATCCAGAAACAGACTTAAG 1140
1141 QY CTGACATCAGAGGAGAGTCAAAAGTTCAAGGCTCAAGGCTGAAATAGCCAGCCAGAGAA 1200
1141 Db CTGACATCAGAGGAGAGTCAAAAGTTCAAGGCTGAAATAGCCAGCCAGAGAA 1200
1201 QY ATGCTCAAGAACCCAGAAATAAATAGGATGTTGATAGAGAGTTGAAGAAATGAAG 1260
1201 Db ATGCTCAAGAACCCAGAAATAAATAGGATGTTGATAGAGAGTTGAAGAAATGAAG 1260
1261 QY AAGCATGAAGTAATGATGGAATTAATGCTGAAACCTGACTTAATGCTGCTGCTG 1320
1261 Db AAGCATGAAGTAATGATGGAATTAATGCTGAAACCTGACTTAATGCTGCTGCTG 1320
1321 QY AATGCTGAATGATGATTAATCTTCAAGGAGAGAGTATGCTGAAATGCTGCTGCTG 1380
1321 Db AATGCTGAATGATGATTAATCTTCAAGGAGAGAGTATGCTGAAATGCTGCTGCTG 1380
1381 QY CTGCAACAGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTGCTGACTACAAAGAA 1440
1381 Db CTGCAACAGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTGCTGACTACAAAGAA 1440
1441 QY AAACAGATGCCAAATATCTTCTGAAACAGCAACCCAGCAACAGACTTAAGCTGACA 1500
1441 Db AAACAGATGCCAAATATCTTCTGAAACAGCAACCCAGCAACAGACTTAAGCTGACA 1500
1501 QY TCAGAGGAGAGTCAAAAGGCTTGAGGAGTGAATGAGGAGTGAATGAGGAGTGAAT 1560
1501 Db TCAGAGGAGAGTCAAAAGGCTTGAGGAGTGAATGAGGAGTGAATGAGGAGTGAAT 1560
1561 QY TTTATGGCTATCGAAGAAATGAAGAGCAGGAGTACTCATGTCGGATTTCCAGAAAC 1620
1561 Db TTTATGGCTATCGAAGAAATGAAGAGCAGGAGTACTCATGTCGGATTTCCAGAAAC 1620
1621 QY CTGACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
1621 Db CTGACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
1681 QY AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGAGTATCACAGTCAACGAA 1740
1681 Db AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGAGTATCACAGTCAACGAA 1740
1741 QY CAAATGATCTACAGAGCAATTTTGTGAAGAACAGAACTGGAATATTACACGATGAG 1800
1741 Db CAAATGATCTACAGAGCAATTTTGTGAAGAACAGAACTGGAATATTACACGATGAG 1800
1801 QY ATTCTGATTCAGAGAAAGCAGATAGAAGTGGTTGAAATGAATTTCTGAGCTTTCT 1860
1801 Db ATTCTGATTCAGAGAAAGCAGATAGAAGTGGTTGAAATGAATTTCTGAGCTTTCT 1860
1861 QY CTTAGTGTGAAGAAAGAAAGACATCTTGGATGAAATAGTACGTTGCGGAGAAAT 1920
1861 Db CTTAGTGTGAAGAAAGAAAGACATCTTGGATGAAATAGTACGTTGCGGAGAAAT 1920
1921 QY GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
1921 Db GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
1981 QY AAAAAAAGAAAAAAGAAAAA 2000
1981 Db AAAAAAAGAAAAAAGAAAAA 2000

RESULT 10
US-09-822-374-374
; Sequence 374, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-374-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGTGGTTGAGGTTGATTCATGCCGGCTGCTTCTTGTGAAGAGCCATTTGCTCTC 60
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Db 61 AGGAGCAAGATGGGCAAGTGGTGGCTTCCCTGCTGCGAGGAGAGCGGCAAG 120
QY 121 AGCAACGTGGGCACATTTCTGGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 121 AGCAACGTGGGCACATTTCTGGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCCGCTGCTTCCCTGCTGCGAGGAGTGGCAAGAGCAACGTTG 240
Db 181 ATGGCAAGTGGTGGCCGCTGCTTCCCTGCTGCGAGGAGTGGCAAGAGCAACGTTG 240
QY 241 GCGCTTCTGGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAAAGATGGCAAG 300
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QY 301 TGGTCTGCCACTGCTTCCCTGCTGCGAGGAGGAGCGGCAAGAGTGGCGCTTGG 360
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QY 361 GGAGACTAGATGACAGTCCCTTTCATGGAGCCAGGTACCACTGCGTGGAGAAATCTG 420
Db 361 GGAGACTAGATGACAGTCCCTTTCATGGAGCCAGGTACCACTGCGTGGAGAAATCTG 420
QY 421 GACAGCTCCAGAGCTGCTTGGTGGGTAAGTCCCGAAGAGATCTCATCTGCTATG 480
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QY 481 CTCAGGGACACTGAGCTGAACAGAGGAGCAACAGAGAGGACTGCTTACATCTGGCC 540
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QY 541 TCTCCCAATGGGAATTCAGAGTACTAAACTCTCTGCTGGACAGAGATGTCACCTTA 600
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QY 601 GTCTTTGACAAACAAAGAGGAGCAGCTCTGATAAGGCGGTACAATGCCAGGAAGATGA 660
Db 601 GTCTTTGACAAACAAAGAGGAGCAGCTCTGATAAGGCGGTACAATGCCAGGAAGATGA 660
QY 661 TGTGGTTAATGTTGCTGGAAATGGCAATGATGATCAAAATATTCCAGATGAGTATGAA 720
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QY 721 ACCACTCTGCAGCTAGCTATCTATTAAGATAAATTAATGGCCAAAGACACTGCTTTA 780
Db 721 ACCACTCTGCAGCTAGCTATCTATTAAGATAAATTAATGGCCAAAGACACTGCTTTA 780

QY 481 CTCAGGACACTGACGTGAACAAGAAGGACAAGCAAGAGAGGACTGCTCTACATCTGGCC 540
DB 481 CTCAGGACACTGACGTGAACAAGAAGGACAAGCAAGAGAGGACTGCTCTACATCTGGCC 540
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DB 541 TCTGCCAATGGGAATTCAGAAAGTAGTAATAACTCTCTGTCAGACAGAGATGTCACCTAAT 600
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DB 601 GTCTTTGACAAACAAAGAGGACAGCTCTGATAAAGGCCGTACAATGCCAGGAGATGAA 660
QY 661 TGTGCGTAAATGTTGCTGGAAACATGGCAGCTGATCAAAATATTCAGATGAGTATGAAAT 720
DB 661 TGTGCGTAAATGTTGCTGGAAACATGGCAGCTGATCAAAATATTCAGATGAGTATGAAAT 720
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QY 961 GTCAGCCTCTACTTGGCAAAATATGATGATCTTCTCAAGATCTATCTTGACAGAGG 1020
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QY 1981 AAAAAAAGAAAAAAGAAAAA 2000
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RESULT 12

US-09-924-400-303
; Sequence 303, Application US/09924400
; Patent No. US20020165371A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misher, Lynda E.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yessir A. W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; APPLICANT: Li, Samuel X.
; APPLICANT: Deng, Fa
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C12
; CURRENT APPLICATION NUMBER: US/09/924,400
; CURRENT FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 303
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-924-400-303

Query Match 97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

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QY 61 AGGACAGATGGGCAAGTGGTGGCTGCTTCCCTTCTGCTGAGGAGAGCGGCAAG 120


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; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121 427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0.
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-012-896-375

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Best Local Similarity 97.8%; Pred. No. 0;
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DB 61 AGCAGCAAGATGGGCAAGTGGTCTGCCGTGCTTCCCTGCTGCAGGAGAGCGGCAAG 120
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DB 121 AGCAAGTGGGCACTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCCGACACTGCTTCCCTGCTGCAGGGGGAGTGGCAAGCAACGTG 240
DB 181 ATGGCAAGTGGTGGCCGACACTGCTTCCCTGCTGCAGGGGGAGTGGCAAGCAACGTG 240
QY 241 GCGGCTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGGAGCAAGTGGCAAG 300
DB 241 GCGGCTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGGAGCAAGTGGCAAG 300
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DB 301 TGGTGTGCCACTGCTTCCCTGCTGCAGGGGGAGCGCAAGCAAGGTGGCGCTTGG 360
QY 361 GGAGACTACGATGACAGTGCCTTTCATGGAGCCGAGTACCAGTCCGCTGGAGAGATCTG 420
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DB 721 ACCACCTGCTGACCTACGCTATCTATATGAAGATAAATTAATGCCAAAGCAGCTCTTA 780
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DB 781 TATGGTGTGATATCGAATCAAAAAACAAGCATGGCTCACACACTGTTTACTTGGTGA 840
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DB 901 CTGGATAGATATGGAAGGACTGCTCATACTTCTGCTATGTTGTGATCAGCAAGTATA 960
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DB 1621 GAAATGAAGAGCAGCGAAGTACTCATGTCGGATTCGCCAGAAACCTGACTAATGTTGCC 1680
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DB 1681 ACTGCTGCAATGGTGTATGATGATTAATTTCTCCAGGAAGAGCAGACACCTGAAAGC 1740
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1261	QY	AACCATGAAAGTAATAATGTGGGATTAAGAAAACCTGACTAATGGTGCACTGCTGGC	1320
1261	DB	AACCATGAAAGTAATAATGTGGGATTAAGAAAACCTGACTAATGGTGCACTGCTGGC	1320
1321	QY	AATGGTGATAATGGATTAATTCCTCAAGGAGAGCAGAACACCTGAAAAATCAGCAATTT	1380
1321	DB	AATGGTGATAATGGATTAATTCCTCAAGGAGAGCAGAACACCTGAAAAATCAGCAATTT	1380
1381	QY	CTGTGACAACGAPAGTGAAGAGTATCAGAGAAATTTGCGAATTAGTTTCTGACTACAAGAA	1440
1381	DB	CTGTGACAACGAAAGTGAAGAGTATCAGAGAAATTTGCGAATTAGTTTCTGACTACAAGAA	1440
1441	QY	AAACAGATGCCAAAATACTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA	1500
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1501	DB	TCAGAGGAGAGTCAAAAGGCTTTGAGGGCAGTGAATAATGGCCAGCCAGCAAGAAATCT	1560
1548	QY	-----AGAGCTAGAAAATTTATGGCTATTCGAA	1575
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1681	DB	ACTGCTGGCAATGGTGATGATGGATTAATTCCTCAAGGAGAGCAGACACCTGAAAGC	1740
1696	QY	CAGCAATTTCTTGACACTGAGAAATGAAGAGTATCACAGTGAACGACAAAATGATACTCAG	1755
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1756	QY	AAGCAATTTGTGAAGACAGAACACTGGAATATTACACGATGAGATTCCTGATTCATGAA	1815
1801	DB	AAGCAATTTGTGAAGACAGAACACTGGAATATTACACGATGAGATTCCTGATTCATGAA	1860
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1861	DB	GAAGAAGCATGAAAGTGGTTGNAAAAATGAATTCAGACTTTCCTTGTAGTTGTAGAAAA	1920
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1936	QY	GAGCTAGACACAATGAAACATCAGAGCCAGCTAAAAAAAATAAAAAAAAAAAAAAAAAA	1995
1981	DB	GAGCTAGACACAATGAAACATCAGAGCCAGCTAAAAAAAATAAAAAAAAAAAAAAAAAA	2040

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: APPLICANT: Li, Samuel X.
: APPLICANT: Wang, Aijun
: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William T.
: APPLICANT: Henderson, Robert A.
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Vinals de Bassols, Carlota
: APPLICANT: Foy, Teresa
: APPLICANT: Fanger, Gary R.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C36
: CURRENT APPLICATION NUMBER: US/09/895,814
: CURRENT FILING DATE: 2001-06-29
: NUMBER OF SEQ ID NOS: 990
: SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 375
: LENGTH: 2040
: TYPE: DNA
: ORGANISM: Homo sapien
: US-09-895-814-375

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Query Match 97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

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; Sequence 375, Application US/09895814
; Publication No. US2020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

Db 661 TGTGCGTTAATGTGTGGAACTGACCTGATCCAAATATTCAGATGATGGAAT 720
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Db 901 CTGGATAGATATGGAAGGACTGCTCTCATCTTCTGATGTTGTTGATGTCAGCAAGTATA 960
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Db 1501 TCAGAGGAGAGTCAAAAAGGCTTGAGGCGAGTGAATGGCCAGCCAGCAAGATCT 1560
QY 1548 -----AGAGCTAGAAAAATTTTATGGCTATCGAA 1575
Db 1561 CAAGAACCAGAAATAAATGAAGATGGTATAGAGAGCTAGAAAAATTTTATGGCTATCGAA 1620
QY 1576 GAAATGAAGAGACGGAAGTACTCATCTCGGATTCAGCAAGAACTGACTAATGGTGC 1635
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QY 1636 ACTGCTGCAATGGTATGATGATTAATCTCTCAAGGAGAGAGCAACACCTGAAAGC 1695
Db 1681 ACTGCTGCAATGGTATGATGATTAATCTCTCAAGGAGAGAGCAACACCTGAAAGC 1740
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Search completed: June 9, 2003, 13:07:42
Job time : 269.376 secs

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QY 1876 GAAAAGCAGATCTTGCATGAAAAATAGTACCTTGGGGAAGAAAAATTCATGCTGCTAAGACTG 1935
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2	2040	100.0	2040	4	US-09-439-313-375		Sequence 375, App
3	2040	100.0	2040	4	US-09-352-616A-375		Sequence 375, App
4	1940	95.1	2000	4	US-09-605-785-374		Sequence 374, App
5	1940	95.1	2000	4	US-09-439-313-374		Sequence 374, App
6	1940	95.1	2000	4	US-09-352-616A-374		Sequence 374, App
7	1147.6	56.3	1853	4	US-09-605-785-369		Sequence 369, App
8	1147.6	56.3	1853	4	US-09-439-313-369		Sequence 369, App
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11	1131.6	55.5	1155	4	US-09-605-785-373		Sequence 373, App
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C 17	900.8	44.2	1851	4	US-09-605-785-366		Sequence 366, App
C 18	900.8	44.2	1851	4	US-09-439-313-366		Sequence 366, App
C 19	900.8	44.2	1851	4	US-09-062-451-291		Sequence 291, App
C 20	900.8	44.2	1851	4	US-09-062-451-292		Sequence 292, App
C 21	900.8	44.2	1851	4	US-09-352-616A-366		Sequence 366, App
22	888	43.5	2184	4	US-09-605-785-370		Sequence 370, App
23	888	43.5	2184	4	US-09-439-313-370		Sequence 370, App
24	888	43.5	2184	4	US-09-062-451-296		Sequence 296, App
25	888	43.5	2184	4	US-09-352-616A-370		Sequence 370, App
26	804.8	39.5	1512	4	US-09-605-785-368		Sequence 368, App
27	804.8	39.5	1512	4	US-09-439-313-368		Sequence 368, App

QY 181 ATGGCAAGTGGTCCGCCACTGCTTCCCTTCTGCTGACAGGAGTGGCAAGCAACGCTG 240
DB 181 ATGGCAAGTGGTCCGCCACTGCTTCCCTTCTGCTGACAGGAGTGGCAAGCAACGCTG 240
QY 241 GGCCTCTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAACAAGATGGCAAG 300
DB 241 GGCCTCTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAACAAGATGGCAAG 300
QY 301 TGGTGTGCCACTGCTTCCCTTCTGCTGACAGGAGTGGCAAGCAACGCTGCTG 360
DB 301 TGGTGTGCCACTGCTTCCCTTCTGCTGACAGGAGTGGCAAGCAACGCTGCTG 360
QY 361 GGAGCTACGATGACAGTGGCTTCTGAGGAGTGGCAAGCAACGCTGCTG 420
DB 361 GGAGCTACGATGACAGTGGCTTCTGAGGAGTGGCAAGCAACGCTGCTG 420
QY 421 GACAAGTCCACAGAGTGGCTTCTGAGGAGTGGCAAGCAACGCTGCTG 480
DB 421 GACAAGTCCACAGAGTGGCTTCTGAGGAGTGGCAAGCAACGCTGCTG 480
QY 481 CTCAGGACACTGACGCTGAAACAAGAGCAAGCAAGCAAGAGGACTGCTTACATCTGCC 540
DB 481 CTCAGGACACTGACGCTGAAACAAGAGCAAGCAAGCAAGAGGACTGCTTACATCTGCC 540
QY 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGACAGAGTGGCAAGTAAAT 600
DB 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGACAGAGTGGCAAGTAAAT 600
QY 601 GTCTTGCACAAACAGAGAGTGGTCTGATGAAGGCTGACCAAGTGGCAAGTAAAT 660
DB 601 GTCTTGCACAAACAGAGAGTGGTCTGATGAAGGCTGACCAAGTGGCAAGTAAAT 660
QY 661 TGTGCGTAAATGTTGCTGGAACATGCAATATTCAGAGTGGCAAGTAAAT 720
DB 661 TGTGCGTAAATGTTGCTGGAACATGCAATATTCAGAGTGGCAAGTAAAT 720
QY 721 ACCACTGCTACGCTATCTATTAATGAAGTAAATTAATGCAAGTAAAT 780
DB 721 ACCACTGCTACGCTATCTATTAATGAAGTAAATTAATGCAAGTAAAT 780
QY 781 TATGCTGCTGATTCGAATCAAAACAGAGTGGTCTGACCAAGTAAATTAATGCAAG 840
DB 781 TATGCTGCTGATTCGAATCAAAACAGAGTGGTCTGACCAAGTAAATTAATGCAAG 840
QY 841 CATGAGCAAAACAGCAAGTGGTCTGATGAAGTAAATTAATGCAAGTAAAT 900
DB 841 CATGAGCAAAACAGCAAGTGGTCTGATGAAGTAAATTAATGCAAGTAAAT 900
QY 901 CTGATGATGATGAAGGAGTGGTCTGATGAAGTAAATTAATGCAAGTAAAT 960
DB 901 CTGATGATGATGAAGGAGTGGTCTGATGAAGTAAATTAATGCAAGTAAAT 960
QY 961 GTACGCTTCTTCTGAGCAAAATATGATGATCTTCTCAAGTCTTCTGACAGAG 1020
DB 961 GTACGCTTCTTCTGAGCAAAATATGATGATCTTCTCAAGTCTTCTGACAGAG 1020
QY 1021 GCCAGAGATGCTGTTTCTGATCATCATGATTAATTTGCGAGTCTTCTGACATC 1080
DB 1021 GCCAGAGATGCTGTTTCTGATCATCATGATTAATTTGCGAGTCTTCTGACATC 1080
QY 1081 AAAGAAAACAGATGCTTAAATATCTTCTGAAAACAGCAATCCAGAACAGTAAAG 1140
DB 1081 AAAGAAAACAGATGCTTAAATATCTTCTGAAAACAGCAATCCAGAACAGTAAAG 1140
QY 1141 CTGACATCAGAGGAGTGGTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTAAAG 1200
DB 1141 CTGACATCAGAGGAGTGGTCAAGGCTTCAAGGCTTCAAGGCTTCAAGGCTTAAAG 1200
QY 1201 ATGTCTCAAGAACAGAAATTAATGAGTGGTATGAGAGTGGTGAAGAAAGTAAAG 1260
DB 1201 ATGTCTCAAGAACAGAAATTAATGAGTGGTATGAGAGTGGTGAAGAAAGTAAAG 1260

QY 1261 AAGCATGAAGTAAATATGTTGGATTAAGTAAATTAAGTAAATTAAGTAAATTAAGTAAAT 1320
DB 1261 AAGCATGAAGTAAATATGTTGGATTAAGTAAATTAAGTAAATTAAGTAAATTAAGTAAAT 1320
QY 1321 AATGGTGAATATGATTAATTTCTCRAAGGAGAGCAGAACACCTGAAATTCAGCAATTT 1380
DB 1321 AATGGTGAATATGATTAATTTCTCRAAGGAGAGCAGAACACCTGAAATTCAGCAATTT 1380
QY 1381 CCTGACAAACGAAAGTGAAGAGTATCACAGAAATTTGCGAAATTTAGTTCTGACTACAAAGAA 1440
DB 1381 CCTGACAAACGAAAGTGAAGAGTATCACAGAAATTTGCGAAATTTAGTTCTGACTACAAAGAA 1440
QY 1441 AAGCAGATGCAAAATTAATTTCTGAAAACAGCAACCCAGAAACAGACTTAAAGCTGACA 1500
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DB 1561 CAAGAACCCAGAAATTAATTAAGGATGTTGATAGAGAGTAAATTTTATGGCTTATCGAA 1620
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DB 1621 GAAATGAAGAGAGTGCACAAAGGCTTGGAGGAGTGAATTTGCGCAAGTAAATGCGCAGAGAGTCT 1680
QY 1681 ACTGCTGGCAATGCTGATGATGATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1740
DB 1681 ACTGCTGGCAATGCTGATGATGATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1740
QY 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTGCACGAAACAAATGATACTCAG 1800
DB 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTGCACGAAACAAATGATACTCAG 1800
QY 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTAACAGTGAATTTGATTTATGAA 1860
DB 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTAACAGTGAATTTGATTTATGAA 1860
QY 1861 GAAAGCAGATGAGTGGTGAAGAAATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1920
DB 1861 GAAAGCAGATGAGTGGTGAAGAAATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1920
QY 1921 GAAAGCAGATGAGTGGTGAAGAAATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1980
DB 1921 GAAAGCAGATGAGTGGTGAAGAAATTAATTTCTCRAAGGAGAGCAGAACACCTGAAAGC 1980
QY 1981 GAGCTAGACACATTAATGAAGATGAGTAAATTTGCGCAAGTAAATTTGCGCAAGTAAATTTGCGCAAG 2040
DB 1981 GAGCTAGACACATTAATGAAGATGAGTAAATTTGCGCAAGTAAATTTGCGCAAGTAAATTTGCGCAAG 2040

RESULT 2

US-09-439-313-375
; Sequence 375, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

;/ CURRENT FILING DATE: 1999-11-12
;/ NUMBER OF SEQ ID NOS: 575
;/ SOFTWARE: FastSeq for Windows Version 3.0
;/ SEQ ID NO 375
;/ LENGTH: 2040
;/ TYPE: DNA
;/ ORGANISM: Homo sapien
;/ US-09-439-313-375

Query Match 100.0%; Score 2040; DB 4; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTTGAGGTGATCCATGCCGGCTCCCTCTCTGTGAAGAGCCATTGTGCTC 60
DB 1 ATGGTGGTTGAGGTGATCCATGCCGGCTCCCTCTCTGTGAAGAGCCATTGTGCTC 60

QY 61 AGAGCAAGATGGCAAGTGGTCTGCCGTGTTCCCTGCTGCAGGGAGCGCAAG 120
DB 61 AGAGCAAGATGGCAAGTGGTCTGCCGTGTTCCCTGCTGCAGGGAGCGCAAG 120

QY 121 AGCAAGTGGGCACCTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAAGTGGGCACCTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAG 180

QY 181 ATGGGCAAGTGGTGGCGCACCTGTTCCCTGCTGCAGGGAGTGGCAAGCAAGCTG 240
DB 181 ATGGGCAAGTGGTGGCGCACCTGTTCCCTGCTGCAGGGAGTGGCAAGCAAGCTG 240

QY 241 GCGCTTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAGTGGCAAG 300
DB 241 GCGCTTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAGTGGCAAG 300

QY 301 TGGTGTGCACTGCTTCCCTGCTGCAGGGAGCGGCAAGAGTGGCGCTTGG 360
DB 301 TGGTGTGCACTGCTTCCCTGCTGCAGGGAGCGGCAAGAGTGGCGCTTGG 360

QY 361 GGAGACTACGATGACAGTGCCTTTCAGGAGCCAGGTACCAGTCCGTGGGAGAGTCTG 420
DB 361 GGAGACTACGATGACAGTGCCTTTCAGGAGCCAGGTACCAGTCCGTGGGAGAGTCTG 420

QY 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480
DB 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480

QY 481 CTCAGGACACTGAGTGAACCAAGAGGACCAAGCAAAAGAGAGCTGCTCTCATCTGGCC 540
DB 481 CTCAGGACACTGAGTGAACCAAGAGGACCAAGCAAAAGAGAGCTGCTCTCATCTGGCC 540

QY 541 TCTGCCAATGGGAATTCAGAGTGTAACTTAACTCCCTGCTGGACAGAGATGTCAACTTAAT 600
DB 541 TCTGCCAATGGGAATTCAGAGTGTAACTTAACTCCCTGCTGGACAGAGATGTCAACTTAAT 600

QY 601 GTCTTTGACAAACAAAAGAGGACAGCTCTGTATAAAGGCGGTCAATGCCAGGAAGATGAA 660
DB 601 GTCTTTGACAAACAAAAGAGGACAGCTCTGTATAAAGGCGGTCAATGCCAGGAAGATGAA 660

QY 661 TGTGGCTTAATGTTCTGGAACATGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720
DB 661 TGTGGCTTAATGTTCTGGAACATGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720

QY 721 ACCACTCTGCACTACGCTATCTATATGAGTAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 721 ACCACTCTGCACTACGCTATCTATATGAGTAAATTAATGGCCAAAGCACTGCTCTTA 780

QY 781 TATGTTGCTGATATCGAATCAAAAACCAAGATGGCTCCACACCACTGTACTTCTGCTGA 840
DB 781 TATGTTGCTGATATCGAATCAAAAACCAAGATGGCTCCACACCACTGTACTTCTGCTGA 840

QY 841 CATGAGCAAAAACAGCAAGTGGTGAATTTTTTAATCAAGAAAAAAGCGAATTTAATGCA 900
DB 841 CATGAGCAAAAACAGCAAGTGGTGAATTTTTTAATCAAGAAAAAAGCGAATTTAATGCA 900

QY 901 CTGGATAGATATGGAGGACTGCTCTCATCTTGTGTATGTTGTGGATCAGCAAGTATA 960
DB 901 CTGGATAGATATGGAGGACTGCTCTCTCATCTTGTGTATGTTGTGGATCAGCAAGTATA 960

QY 961 GTGAGCTTCTTACTTGTAGCAAAATATTTGATGATCTTTCTCAAGATCTATCTTGACAGAG 1020
DB 961 GTGAGCTTCTTACTTGTAGCAAAATATTTGATGATCTTTCTCAAGATCTATCTTGACAGAG 1020

QY 1021 GGCAGAGATATGCTGTTTCTAGTCAATCATATGTAATTTGCCAGTACTTTCTGACTAC 1080
DB 1021 GGCAGAGATATGCTGTTTCTAGTCAATCATATGTAATTTGCCAGTACTTTCTGACTAC 1080

QY 1081 AAAGAAAAACAGATCTAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG 1140
DB 1081 AAAGAAAAACAGATCTAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG 1140

QY 1141 CTGACATCAGAGGAAAGAGTCAAAAAGGTTCAAAAGGAGTGAATAAGCCAGCAAGAAA 1200
DB 1141 CTGACATCAGAGGAAAGAGTCAAAAAGGTTCAAAAGGAGTGAATAAGCCAGCAAGAAA 1200

QY 1201 ATGCTCAAGAACCAAGAAATAAATAGGATGTTAGAGAGTTGAAGAGAAATGAAG 1260
DB 1201 ATGCTCAAGAACCAAGAAATAAATAGGATGTTAGAGAGTTGAAGAGAAATGAAG 1260

QY 1261 AAGCATGAAGTAAATATGTTGGGATTACTAGAAAACTTGAATAATGGTGTCTACTGTGGC 1320
DB 1261 AAGCATGAAGTAAATATGTTGGGATTACTAGAAAACTTGAATAATGGTGTCTACTGTGGC 1320

QY 1321 AATGTTGATTAATGGATTAATCTCTCAAGAGGAGCAGCAACCTGAAATCAGCAATTT 1380
DB 1321 AATGTTGATTAATGGATTAATCTCTCAAGAGGAGCAGCAACCTGAAATCAGCAATTT 1380

QY 1381 CCTGCAACGAAAGTGAAGAGTATCAAGAAATTTGCGAAATTTAGTTTCTGACTACAAAGAA 1440
DB 1381 CCTGCAACGAAAGTGAAGAGTATCAAGAAATTTGCGAAATTTAGTTTCTGACTACAAAGAA 1440

QY 1441 AAACAGATGCCAAATATCTCTTCTGAAAAACAGCAACCCAGAAACAGAGCTTAAAGCTGACA 1500
DB 1441 AAACAGATGCCAAATATCTCTTCTGAAAAACAGCAACCCAGAAACAGAGCTTAAAGCTGACA 1500

QY 1501 TCAGAGGAGAGTCAAAAGGCTTCAGGGGAGTGAATAATGGCCAGCCAGAGAAAGATCT 1560
DB 1501 TCAGAGGAGAGTCAAAAGGCTTCAGGGGAGTGAATAATGGCCAGCCAGAGAAAGATCT 1560

QY 1561 CAAGAACCAAGAAATAAATTAAGGATGTTAGAGAGCTAGAAAAATTTTATGGCTATCGAA 1620
DB 1561 CAAGAACCAAGAAATAAATTAAGGATGTTAGAGAGCTAGAAAAATTTTATGGCTATCGAA 1620

QY 1621 GAAATGAAGAACGAGAGTACTCATGTCGGATTTCCAGAAAAACCTGACTAATGGTGCC 1680
DB 1621 GAAATGAAGAACGAGAGTACTCATGTCGGATTTCCAGAAAAACCTGACTAATGGTGCC 1680

QY 1681 ACTGCTGCAATGTTGATGATGGATTAATCTCCAGAGAGAGCAGCAACCTGAAAGC 1740
DB 1681 ACTGCTGCAATGTTGATGATGGATTAATCTCCAGAGAGAGCAGCAACCTGAAAGC 1740

QY 1741 CAGCAATTTCTGACACTGAGATGAAGAGTATCACAGTGAAGAGAGAGAGAGAGTACTCAG 1800
DB 1741 CAGCAATTTCTGACACTGAGATGAAGAGTATCACAGTGAAGAGAGAGAGAGTACTCAG 1800

QY 1801 AAGCAATTTTGTGAAGAACAGAAACACTGGAATATTTACAGATGAGATTTGATTCATGAA 1860
DB 1801 AAGCAATTTTGTGAAGAACAGAAACACTGGAATATTTACAGATGAGATTTGATTCATGAA 1860

QY 1861 GAAAGCAGATAGAGTGGTTGAAAAATGAAATTTCTGAGCTTTCTCTTAGTTGTAAGAAA 1920
DB 1861 GAAAGCAGATAGAGTGGTTGAAAAATGAAATTTCTGAGCTTTCTCTTAGTTGTAAGAAA 1920

QY 1921 GAAAAAGACATCTTGGCAAGTGAATAATGAGTACGTTGGGGAGAGAAATTTGCCATGCTAAGACTG 1980
DB 1921 GAAAAAGACATCTTGGCAATGAGTACGTTGGGGAGAGAAATTTGCCATGCTAAGACTG 1980

QY 1981 GAGCTAGACAAATGAACATCAGAGCCGCTGAAATTAATAAAAAAAAAAAAAAAAAAAAAA 2040

[illegible]

Query Match	100.0%	Score 2040;	DB 4;	Length 2040;
Best Local Similarity	100.0%;	Prod. No. 0;		
Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATGTTGTTGAGGTTGATTCCATCCCGCTGCCCTTCTGTGAAGAGCCATTGGTCTC	60	
Db	1	ATGTTGTTGAGGTTGATTCCATCCCGCTGCCCTTCTGTGAAGAGCCATTGGTCTC	60	
Qy	61	AGGAGCAAGATGGGCAAGTGGTGTGCGGTTGCTTCCCTCTGCAGGAGAGCGGCAAG	120	
Db	61	AGGAGCAAGATGGGCAAGTGGTGTGCGGTTGCTTCCCTCTGCAGGAGAGCGGCAAG	120	
Qy	121	AGCAACGTGGGCACTTCTGAGACCAAGACGACTCTGCTATGAAGACACTCAGAGCAAG	180	
Db	121	AGCAACGTGGGCACTTCTGAGACCAAGACGACTCTGCTATGAAGACACTCAGAGCAAG	180	
Qy	181	ATGGGCAAGTGGTCCGCCACTGCTTCCCTCTGCAGGGGAGTGCGCAAGACAACTG	240	
Db	181	ATGGGCAAGTGGTCCGCCACTGCTTCCCTCTGCAGGGGAGTGCGCAAGACAACTG	240	
Qy	241	GGCGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAACAAGATGGCAAG	300	
Db	241	GGCGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAACAAGATGGCAAG	300	
Qy	301	TGTTGCTGCCACTGCTTCCCTCTGCAGGGGAGCGGCAAGACAAAGTGGGCGCTTGG	360	
Db	301	TGTTGCTGCCACTGCTTCCCTCTGCAGGGGAGCGGCAAGACAAAGTGGGCGCTTGG	360	
Qy	361	GGAGACTACGATGACAGTGCCCTTCATGGAGGCCAGGTAACACGTCCTGGGAAGAGATCTG	420	
Db	361	GGAGACTACGATGACAGTGCCCTTCATGGAGGCCAGGTAACACGTCCTGGGAAGAGATCTG	420	
Qy	421	GACAAGCTCCACAGAGTGCTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
Db	421	GACAAGCTCCACAGAGTGCTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
Qy	481	CTCAGGACACTGACGTTGAACAGAGGACAAAGCAAGAGGAGTGTCTACATCTGGCC	540	
Db	481	CTCAGGACACTGACGTTGAACAGAGGACAAAGCAAGAGGAGTGTCTACATCTGGCC	540	
Qy	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGCTGGACAGACGATGTCAACTTAAT	600	
Db	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGCTGGACAGACGATGTCAACTTAAT	600	
Qy	601	GTCTTTGACAAACAAAAGAGGACAGCTTCTGATAAAGGCCGTGTAATGCCAGGAAGATGAA	660	

601	Db	GTCTTGCACACAAAAAGAGCAGCTCTCTGATAAAGCCGTACAAATGCCAGGAAGATGAA	660
661	Qy	TGTGCGTTAAATGTTCGTGGAACTGGCACTGATCCAAATATTCAGAGATGAGTATGGAAT	720
661	Db		720
661	Db	TGTGCGTTAATGTTCGTGGAACTGGCACTGATCCAAATATTCAGAGATGAGTATGGAAT	720
721	Qy	ACCACTCTGCACCTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
721	Db		780
721	Qy	ACCACTCTGCACCTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
781	Qy	TATGGTCTCATATCGAATCAAAAAACAAGCATGGCTCAACACCTGTTTACTTGGTGTA	840
781	Db		840
781	Qy	TATGGTCTCATATCGAATCAAAAAACAAGCATGGCTCAACACCTGTTTACTTGGTGTA	840
841	Qy	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA	900
841	Db		900
841	Qy	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA	900
901	Qy	CTGATAGATATGGAAGCACTGCTCTCATACTTGTCTGATATGTTGTGATCAGCAAGTATA	960
901	Db		960
901	Qy	CTGATAGATATGGAAGCACTGCTCTCATACTTGTCTGATATGTTGTGATCAGCAAGTATA	960
961	Qy	GTGAGCCCTTCTACTTGAGCAAAATATTGATGTATCTTCTCAAGATCTATCTGGACAGC	1020
961	Db		1020
961	Qy	GTGAGCCCTTCTACTTGAGCAAAATATTGATGTATCTTCTCAAGATCTATCTGGACAGC	1020
1021	Qy	GCCAGAGATGCTGTTTCTAGTCATCATCATGTAAATTTGCCAGTTTACTTTCTGACTAC	1080
1021	Db		1080
1021	Qy	GCCAGAGATGCTGTTTCTAGTCATCATCATGTAAATTTGCCAGTTTACTTTCTGACTAC	1080
1081	Qy	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCAGAAACAAAGACTTAAAG	1140
1081	Db		1140
1081	Qy	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCAGAAACAAAGACTTAAAG	1140
1141	Qy	CTGACATCAGAGGAAGTCAAAAGGTTCAAAAGGCAAGTGAATAATGCCAGCCAGAGAAA	1200
1141	Db		1200
1141	Qy	CTGACATCAGAGGAAGTCAAAAGGTTCAAAAGGCAAGTGAATAATGCCAGCCAGAGAAA	1200
1201	Qy	ATGTTCTCAAGAACAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAGAAATGAAG	1260
1201	Db		1260
1201	Qy	ATGTTCTCAAGAACAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAGAAATGAAG	1260
1261	Qy	AAGCATGAAAGTAAATGTGGGATTACTAGAAAACTGACTAATGTGTCTACTGTCTGGC	1320
1261	Db		1320
1261	Qy	AAGCATGAAAGTAAATGTGGGATTACTAGAAAACTGACTAATGTGTCTACTGTCTGGC	1320
1321	Qy	AATGGTGATTAATGGATTAATCTCCTCAAGGAAGAGAGAAACACTGAAAAATCAGCAATTT	1380
1321	Db		1380
1321	Qy	AATGGTGATTAATGGATTAATCTCCTCAAGGAAGAGAGAAACACTGAAAAATCAGCAATTT	1380
1381	Qy	CCTGACAAACGAAGTGAAGAGTACAGAAATTTGCGAATTTAGTTTCTGACTACAAGAA	1440
1381	Db		1440
1381	Qy	CCTGACAAACGAAGTGAAGAGTACAGAAATTTGCGAATTTAGTTTCTGACTACAAGAA	1440
1441	Qy	AAACAGATGCCAAAATACTCTTCTGAAAAACAGCAACCCAGAACTTTAAAGCTGACA	1500
1441	Db		1500
1441	Qy	AAACAGATGCCAAAATACTCTTCTGAAAAACAGCAACCCAGAACTTTAAAGCTGACA	1500
1501	Qy	TCAGAGGAAGTCAAAAGGTTGAGGCGAGTGAATAATGGCCAGCCAGAGAAAAGATCT	1560
1501	Db		1560
1501	Qy	TCAGAGGAAGTCAAAAGGTTGAGGCGAGTGAATAATGGCCAGCCAGAGAAAAGATCT	1560
1561	Qy	CAGAACCCAGAAATAAATAGGATGGTATAGAGAGCTAGAAAAATTTATGGCTATCGAA	1620
1561	Db		1620
1561	Qy	CAGAACCCAGAAATAAATAGGATGGTATAGAGAGCTAGAAAAATTTATGGCTATCGAA	1620
1621	Qy	GAAATGAAGAACCAACGGAAGTACTCATGTCCGAAATCCAGAAAACTGACTAATGGTGCC	1680
1621	Db		1680
1621	Qy	GAAATGAAGAACCAACGGAAGTACTCATGTCCGAAATCCAGAAAACTGACTAATGGTGCC	1680
1681	Qy	ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGCAGAACCACTGAAAGC	1740
1681	Db		1740
1681	Qy	ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGCAGAACCACTGAAAGC	1740

QY 1741 CAGCAATTTCTGACACTGAGATGAAGATATCAGTGAACGAAACAAATGATCTCAG 1800
DB 1741 CAGCAATTTCTGACACTGAGATGAAGATATCAGTGAACGAAACAAATGATCTCAG 1800
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DB 1801 AAGCAATTTTGTGAAGACAGACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
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DB 1861 GAAAAGCAGATGAGATGTTGAAAAATGAATTTCTGAGCTTTCTTCTAGTTCTAGAGAAA 1920
QY 1921 GAAAAGCAGATTTGATGAAATAGTATGCTTGGGGAAGAAATGCCATGCTAAGACTG 1980
DB 1921 GAAAAGCAGATTTGATGAAATAGTATGCTTGGGGAAGAAATGCCATGCTAAGACTG 1980
QY 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTTAAAAAATGAAAAAATGAAAAA 2040
DB 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTTAAAAAATGAAAAAATGAAAAA 2040

RESULT 4
US-09-605-785-374
; Sequence 374, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaogun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-605-785-374
Query Match 95.1%; Score 1940; DB 4; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGGTGATTCCATGCGGCTGCTTCTGTGGAAGAGCCATTTGGTCTC 60
DB 1 ATGGTGGTTGAGGTGATTCCATGCGGCTGCTTCTGTGGAAGAGCCATTTGGTCTC 60
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DB 241 GGGCTTTCTGGAGACCAAGCACTCTGATGAAGACACTCAGGAACAAGATGGCAAG 300
QY 301 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
DB 301 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
QY 361 GGAGACTACGATGACAGTGGCTTTCATGGAGCCAGGTACACGCTCGTGGAGAGATCTG 420
DB 361 GGAGACTACGATGACAGTGGCTTTCATGGAGCCAGGTACACGCTCGTGGAGAGATCTG 420
QY 421 GACAAGCTTCCAGAGCTGGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480
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DB 841 CATGAGCAAAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAAAGCGAAATTTAAATGCA 900
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DB 901 CTGGATAGATATGGAAGACTGCTCTCATCTGCTGATGTTGTTGATCAGCAAGTATA 960
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1876 GAAAGCAGATAGAGTGGTTGAAAAATGAATTTCTGAGCTTTCTTTAGTTGTAAGAAA 1935
1981 GAGCTAGACAAATGAACATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAGAGAG 2040
1936 GAGCTAGACAAATGAACATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAGAGAG 1995

RESULT 5

US-09-439-313-374

Sequence 374, Application US/09439313

Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqi

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

FILE REFERENCE: 210121.427C9

CURRENT APPLICATION NUMBER: US/09/439,313

CURRENT FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 374

; LENGTH: 2000

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-439-313-374

Query Match 95.1%; Score 1940; DB 4; Length 2000;

Best Local Similarity 97.8%; Pred. No. 0;

Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGTTGATTCATCCATGCCGGCTCCCTCTCTGTGAAGAGACCATTTGGTCTC 60
DB 1 ATGGTGGTTGAGTTGATTCATCCATGCCGGCTCCCTCTCTGTGAAGAGACCATTTGGTCTC 60
QY 61 AGGAGCAAGATGGGCAAGTGGTCTGCCGTTGTTCCCTCTGTCAGGGAGAGCGGCAAG 120
DB 61 AGGAGCAAGATGGGCAAGTGGTCTGCCGTTGTTCCCTCTGTCAGGGAGAGCGGCAAG 120
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QY 181 ATGGGCAAGTGGTGGCGCACTGCTTCCCTCTGTCAGGGGAGTGGCAAGCAACGTG 240
DB 181 ATGGGCAAGTGGTGGCGCACTGCTTCCCTCTGTCAGGGGAGTGGCAAGCAACGTG 240
QY 241 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
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QY 301 TGGTGTGCTGCACTGCTTCCCTCTGTCAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360
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Db 1936 GAGCTAGACACAAATGAACATCATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAA 1995
RESULT 6
US-09-352-616A-374
; Sequence 374, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillion, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-374

Query Match 95.1%; Score 1940; DB 4; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;
QY 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCAATTTGGTCTC 60
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Qy	1921	GAAAAAACACATCTTGCAATGAAAAATAGTACGCT	TCGGGGAACAAATG	CCATGCTTAAGACTG	1980
Db	1876	GAAAAAACACATCTTGCAATGAAAAATAGTACGCT	TCGGGGAACAAATG	CCATGCTTAAGACTG	1935
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US-09-605-785-369
; Sequence 369, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TREATMENT OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 369
; LENGTH: 1853
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-605-785-369

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Query Match	56.3%;	Score 1147.6;	DB 4;	Length 1853
Best Local Similarity	97.1%;	Pred. No. 4.6e-292;		
Matches 1163;	Conservative 23;	Mismatches 7;	Indels 5;	

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Qy	181	ATGGGCAAGTGGTGCCGCCACTGTTCCCTCTGTCAGGGGGAGCTGGCAAGAG

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RESULT 8

US-09-439-313-369
; Sequence 369, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: Fast-Seq for Windows Version 3.0
SEQ ID NO 369
LENGTH: 1853
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-369

Query Match 56.3%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 4.6e-292;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGGTGGTGGAGTTCATTCATGCGCGGCTGCTCTCTGTGAAGAGCCATTTGGTCTC 60
Db 223 ATGGTGGTGGAGTTCATTCATGCGCGGCTGCTCTCTGTGAAGAGCCATTTGGTCTC 282
Qy 61 AGGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGAGGAGAGCGGCAAG 120
Db 283 AGGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGAGGAGAGCGGCAAG 342
Qy 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGTGG 240
Db 403 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGTGG 462
Qy 241 GGGCTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
Db 463 GGGCTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 522
Qy 301 TGGTGTCCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360
Db 523 TGGTGTCCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 582
Qy 361 GGAGACTACGATGACAGTGCCTTTCATGAGGCCAGGTACCAAGTCCGTTGGAGAGATCTG 420
Db 583 GGAGACTACGATGACAGTGCCTTTCATGAGGCCAGGTACCAAGTCCGTTGGAGAGATCTG 642
Qy 421 GACAAGTCCACAGAGTGCCTTGGTGGGTAAGTCCCGCAAGAGATCTCATGTCATG 480
Db 643 GACAAGTCCACAGAGTGCCTTGGTGGGTAAGTCCCGCAAGAGATCTCATGTCATG 702
Qy 481 CTCAGGACACTGACGTGAACAAGAGGACAGCAAGTCCGTTGGAGAGATCTCTACATCTGGCC 540
Db 703 CTCAGGACACTGACGTGAACAAGAGGACAGCAAGTCCGTTGGAGAGATCTCTACATCTGGCC 762
Qy 541 TCTGCCAATGGGAATTCAGAAAGTAACTCTCTGCTGGACAGACAGTGTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAAAGTAACTCTCTGCTGGACAGACAGTGTCAACTTAAT 822
Qy 601 GTCTTGGACAAACAAAGAGGACAGTCTGATAAGGCGGTACCAATGCCAGGAAGTAA 660
Db 823 GTCTTGGACAAACAAAGAGGACAGTCTGATAAGGCGGTACCAATGCCAGGAAGTAA 882
Qy 661 TGTGCGTTAATGTTGCTGGACATGCGACATGATCCAAATATTCAGATGATGGAAT 720

Db 883 TGTGCGTAATGTTGCTGGAACATGCGCACTGATCCAAATATTCAGATGATGGAAT 942
Qy 721 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACTACGCTCTAYATGAGATTAATTAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 840
Db 1003 TAYGGTCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 1062
Qy 841 CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTTGGATCAGCAAGTAT 1182
Qy 960 AGTCAGCTTCTACTTGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGAC 1019
Db 1183 AGTCAGCTTCTACTTGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGAC 1238
Qy 1020 GCGCAGAGATGCTGTTTCTAGTCATCATCATGTAATTTGCGAGTTACTTCTGACTA 1079
Db 1239 GCGCAGAGATGCTGTTTCTAGTCATCATCATGTAATTTGCGAGTTACTTCTGACTA 1298
Qy 1080 CAAAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1139
Db 1299 CAAAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1358
Qy 1140 GCTGACATCAGAGAAAGAGTCACAAAGGTTCAAAGGCTGAAAAATAGCCAGCAGAG 1197
Db 1359 GCTGACATCAGAGAAAGAGTCACAAAGGCTTAAAGGAGTGAAGAACAGCCAGCAGAG 1416

RESULT 9

US-09-062-451-295
Sequence 295, Application US/09062451
Patent No. 6344550
GENERAL INFORMATION:
APPLICANT: Frudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TREATMENT AND DIAGNOSIS OF BREAST CANCER
NUMBER OF SEQUENCES: 297
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/062,451
FILING DATE: 04-APR-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,492
REFERENCE/DOCKET NUMBER: 210121.419C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 295:
SEQUENCE CHARACTERISTICS:
LENGTH: 1853 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-062-451-295

Query Match
Best Local Similarity 97.1%; Pred. No. 4.6e-292;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGTGCTC 60
Db 223 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGTGCTC 282
Qy 61 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTCTCCCTGCTGCAAGGAGAGCGGCAAG 120
Db 283 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTCTCCCTGCTGCAAGGAGAGCGGCAAG 342
Qy 121 AGCAACGTGGGCACTTTCTGGAGACCAAGAGACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAACGTGGGCACTTTCTGGAGACCAAGAGACTCTGCTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGGGGAGTGGCAAGAGCAAGT 240
Db 403 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGGGGAGTGGCAAGAGCAAGT 462
Qy 241 GCGGCTTCTGGAGACCAAGAGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 463 GCGGCTTCTGGAGACCAAGAGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 522
Qy 301 TGGTCTGCCACTGTTTCCCTGCTGCGGGGAGCGGCAAGAGCAAGTGGGCGCTTG 360
Db 523 TGGTCTGCCACTGTTTCCCTGCTGCGGGGAGCGGCAAGAGCAAGTGGGCGCTTG 582
Qy 361 GGAGACTAGATGACAGTGCCTTCTATGAGGCCAGGTACCAAGTGGGAGAGATCTG 420
Db 583 GGAGACTAGATGACAGTGCCTTCTATGAGGCCAGGTACCAAGTGGGAGAGATCTG 642
Qy 421 GACAAAGCTCCAGAGAGTGCCTTGGTGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 480
Db 643 GACAAAGCTCCAGAGAGTGCCTTGGTGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 702
Qy 481 CTCAGGACACTGAGCTGAAACAAAGAGCAAGCAAGAAAGAGGAGTCTCTACATCTGGCC 540
Db 703 CTCAGGACACTGAGCTGAAACAAAGAGCAAGCAAGAAAGAGGAGTCTCTACATCTGGCC 762
Qy 541 TCTGCCAATGGGAATTCAGAGTACTAAAATCTCTGCTGGACAGAGATGTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAGTACTAAAATCTCTGCTGGACAGAGATGTCAACTTAAT 822
Qy 601 GTCCTTGACAAACAAAGAGGAGCACTCTGTATAAGGCGGTACAAATGCCAGAGATGAA 660
Db 823 GTCCTTGACAAACAAAGAGGAGCACTCTGTATAAGGCGGTACAAATGCCAGAGATGAA 882
Qy 661 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCAAAATATTTCCAGATGAGTATGAAAT 720
Db 883 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTTCCAGATGAGTATGAAAT 942
Qy 721 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 840
Db 1003 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 1062
Qy 841 CATGAGCAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTTGGATCAGCAAGTAT 1182

QY 960 AGTCAGCTTCTACTTGAGCAATATTTGATGATCTTCTCAAGATCTATCTCGACAGAC 1019
DB 1183 AGTCAGCTTCTACTTGAGCAATATTTGATGATCTTCTCAAGATCTATCTCGACAGAC 1238
QY 1020 GGCAGAGAGTATGCTGTTCTTCTAGTCAATCATCATGTAATTTGCGAGTACTTTCTGACTA 1079
DB 1239 GGCAGAGAGTATGCTGTTCTTCTAGTCAATCATCATGTAATTTGCGAGTACTTTCTGACTA 1298
QY 1080 CAAGAAACAGAGTCTTCTTCTTCTGAAAACAGCAATCCAGAAACAGACTTAAA 1139
DB 1299 CAAGAAACAGAGTCTTCTTCTTCTGAAAACAGCAATCCAGAAACAGACTTAAA 1358
QY 1140 GCTGACATCAGAGGAGAGTCTCAAGAGTCTCAAGAGTCTCAAGAGTCTCAAGAGTCTCAAG 1197
DB 1359 GCTGACATCAGAGGAGAGTCTCAAGAGTCTCAAGAGTCTCAAGAGTCTCAAGAGTCTCAAG 1416

RESULT 10
US-09-352-616A-369
; Sequence 369, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 369
; LENGTH: 1853
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-369

Query Match 56.3%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 4.6e-292;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

QY 1 ATGTGTTGAGTTGATTTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
DB 223 ATGTGTTGAGTTGATTTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 282
QY 61 AGGAGCAAGATGGGCAAGTGTGTCGCGTTCCTTCCCTGTCGAGGAGAGCGGCAAG 120
DB 283 AGGAGCAAGATGGGCAAGTGTGTCGCGTTCCTTCCCTGTCGAGGAGAGCGGCAAG 342
QY 121 AGCAACGTGGGCACTTCTGGAGACCAAGACACTGCTGATGAAGACACTCAGAGCAAG 180
DB 343 AGCAACGTGGGCACTTCTGGAGACCAAGACACTGCTGATGAAGACACTCAGAGCAAG 402
QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGTCGAGGAGAGTGGCAAGCAAGCTG 240
DB 403 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGTCGAGGAGAGTGGCAAGCAAGCTG 462
QY 241 GGCCTTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGAAACAGATGGGCAAG 300
DB 463 GGCCTTTCTGGAGACCAAGCAAGTCTGCTATGAAGACACTCAGAAACAGATGGGCAAG 522
QY 301 TGGTCTGCCACTGCTTCCCTGTCGAGGAGAGCGGCAAGCAAGAGTGGCGCTTGG 360
DB 523 TGGTCTGCCACTGCTTCCCTGTCGAGGAGAGCGGCAAGAGTGGCGCTTGG 582
QY 361 GGAGACTACGATGACAGTGGCTTCTCATGAGCCAGGAGTACCAAGTGGGAGAGATCTG 420
DB 583 GGAGACTACGATGACAGTGGCTTCTCATGAGCCAGGAGTACCAAGTGGGAGAGATCTG 642
QY 421 GACAAGCTCCACAGAGTGGCTGTTGGGGTAAAGTCCCGCAAGAGGATCTCATGCTCATG 480

DB 643 GACAAGCTCCACAGAGTGGCTGTTGGGTAAAGTCCCGCAAGAGGATCTCATGCTCATG 702
QY 481 CTCAGGACACTGAGCTGTAACAAGAGGAGCAAGAGAGGAGTCTCTCATCTGCGCC 540
DB 703 CTCAGGACACTGAGCTGTAACAAGAGGAGCAAGAGAGGAGTCTCTCATCTGCGCC 762
QY 541 TCTGCGCAATGGGAAATTCAGAGTGTAGTAATCTCTGCTGAGAGAGTGTCAACTTAT 600
DB 763 TCTGCGCAATGGGAAATTCAGAGTGTAGTAATCTCTGCTGAGAGAGTGTCAACTTAT 822
QY 601 GTCTTGTGCAACAACAAGAGGAGCAAGTCTGTGTAAGAGGCGGTACAATGCCAGAGAGTAA 660
DB 823 GTCTTGTGCAACAACAAGAGGAGCAAGTCTGTGTAAGAGGCGGTACAATGCCAGAGAGTAA 882
QY 661 TGTGCGTTAATGTTCTGCTGGAACATGGCACTGTATCAAAATATTTCCAGATGAGTGAAT 720
DB 883 TGTGCGTTAATGTTCTGGAACATGGCACTGTATCAAAATATTTCCAGATGAGTGAAT 942
QY 721 ACCACTCTGCACTACGCTATCTATTAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 943 ACCACTCTGCACTACGCTATCTATTAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 1002
QY 781 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCTCACACCACTGTACTTCTGCTGA 840
DB 1003 TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCTCACACCACTGTACTTCTGCTGA 1062
QY 841 CATGAGCAAAAAACAAGCAAGTGTGAAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 899
DB 1063 CATGAGCAAAAAACAAGCAAGTGTGAAATTTTAAATCAAGAAAAAAGCGAATTT-AAATGC 1122
QY 900 ACTGGATAGATATGGAGGAGTCTCTCATATCTGCTGTATGTTGTGATCAGCAAGTAT 959
DB 1123 RCTGGATAGATATGGAGGAGTCTCTCATATCTGCTGTATGTTGTGATCAGCAAGTAT 1182
QY 960 AGTCAGCTTCTACTTGAGCAAAATATTTGATGATCTTCTCAAGATCTATCTGAGACAGAC 1019
DB 1183 AGTCAGCTTCTACTTGAGCAAAATATTTGATGATCTTCTCAAGATCTATCTGAGACAGAC 1238
QY 1020 GGCAGAGAGTATGCTGTTTCTAGTCAATCATCATGTAATTTGCCAGTACTTCTGACTA 1079
DB 1239 GGCAGAGAGTATGCTGTTTCTAGTCAATCATCATGTAATTTGCCAGTACTTCTGACTA 1298
QY 1080 CAAGAAACAGAGTCTTAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAA 1139
DB 1299 CAAGAAACAGAGTCTTAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAA 1358
QY 1140 GCTGACATCAGAGGAGAGTCAAAAGGTTCAAAAGGAGTGAATAATAGCCAGCCAGAG 1197
DB 1359 GCTGACATCAGAGGAGAGTCAAAAGGTTCAAAAGGAGTGAATAATAGCCAGCCAGAG 1416

RESULT 11
US-09-605-785-373
; Sequence 373, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.

Db 241 GGCCTTCTGGAGACACGACGACTCTCTATGAAGACACTCAGGAAACAGATGGGCAAG 300.
Qy 301 TGGTCTGCCACTGCTTCCCTCTGTCAGGGGGAGCGCAAGACGCAAGGTGGCGCTTGG 360
Db 301 TGGTCTGCCACTGCTTCCCTCTGTCAGGGGGAGCGCAAGACGCAAGGTGGCGCTTGG 360
Qy 361 GGAGACTACGATGACGCTGCTTCAATGAGGCCAGGTACCAAGTCCGCTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACGCTGCTTCAATGAGGCCAGGTACCAAGTCCGCTGGAGAGATCTG 420
Qy 421 GACAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCGAAGAGATCTCATGTCATG 480
Db 421 GACAGCTCCACAGAGCTGCTGCTGGGTAAAGTCCCGAAGAGATCTCATGTCATG 480
Qy 481 CTGAGGACACTGACGCTGAACAGAGACAGCAAGCAAGAGAGGAGTCTTACATCTGGCC 540
Db 481 CTGAGGACACTGACGCTGAACAGAGACAGCAAGCAAGAGAGGAGTCTTACATCTGGCC 540
Qy 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTCTGTCGACAGACGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTCTGTCGACAGACGATGTCAACTTAAT 600
Qy 601 GTCTTTGACAAACAAAGAGAGAGAGCTCTGATAAAGGCCGTACAATGCCAGAGATGAA 660
Db 601 GTCTTTGACAAACAAAGAGAGAGAGCTCTGATAAAGGCCGTACAATGCCAGAGATGAA 660
Qy 661 TGTGCGTTAATGTTGCTGGAACTGACACTGATCCAAATATTCAGATGATGAAAT 720
Db 661 TGTGCGTTAATGTTGCTGGAACTGACACTGATCCAAATATTCAGATGATGAAAT 720
Qy 721 ACCACTCTGACACTACGCTATCTATGAAGATAAATTAATGCCAAAGCACTGCTCTTA 780
Db 721 ACCACTCTGACACTACGCTATCTATGAAGATAAATTAATGCCAAAGCACTGCTCTTA 780
Qy 781 TATGGTGTGATATGAAATCAAAACAAAGCATGGCTCACACCACTGTTACTTGGTGA 840
Db 781 TATGGTGTGATATGAAATCAAAACAAAGCATGGCTCACACCACTGTTACTTGGTGA 840
Qy 841 CATGACAAACAGCAAGTCTGAAATTTTAAATCAAGAAACAAAGCAATTTAAATGCA 900
Db 841 CATGACAAACAGCAAGTCTGAAATTTTAAATCAAGAAACAAAGCAATTTAAATGCA 900
Qy 901 CTGGATAGATATGGAAGAGACTGCTCTCATACTTGTGATGTTGTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGGAAGAGACTGCTCTCATACTTGTGATGTTGTGGATCAGCAAGTATA 960
Qy 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGCG 1020
Db 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGCG 1020
Qy 1021 GCGAGAGATGCTGTTCTAGTCATCATCATGTAATTTGGCAGTTACTTCTGACTAC 1080
Db 1021 GCGAGAGATGCTGTTCTAGTCATCATCATGTAATTTGGCAGTTACTTCTGACTAC 1080
Qy 1081 AAAGAAACAGATGCTAAATCTCTTCTGAAACAGCAATCCAGAAATGCTCAA 1138
Db 1081 AAAGAAACAGATGCTAAATCTCTTCTGAAACAGCAATCCAGAAATGCTCAA 1138

RESULT 13

US-09-352-616A-373
Sequence 373, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yuxi
APPLICANT: Xu, Jianshun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 373

LENGTH: 1155

TYPE: DNA

ORGANISM: Homo sapien

US-09-352-616A-373

Query Match

Best Local Similarity 55.5%; Score 1131.6; DB 4; Length 1155;

Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 ATGGTGGTTGAGGTGATTCATGCGCGCTGCTCTTGTGAAGAGCAATTTGGTCTC 60
Db 1 ATGGTGGTTGAGGTGATTCATGCGCGCTGCTCTTGTGAAGAGCAATTTGGTCTC 60
Qy 61 AGGAGCAAGATGGGCAAGTGGTGGTCCCTGCTGCGAGGAGAGCGGCAAG 120
Db 61 AGGAGCAAGATGGGCAAGTGGTGGTCCCTGCTGCGAGGAGAGCGGCAAG 120
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Qy 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGAGCAACGTG 240
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Qy 241 GGGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAGCAAGATGGGCAAG 300
Db 241 GGGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAGCAAGATGGGCAAG 300
Qy 301 TGGTGTGCTGCTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGAGTGGCGCTTGG 360
Db 301 TGGTGTGCTGCTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGAGTGGCGCTTGG 360
Qy 361 GGAGACTACGATGACGCTTCCCTGCTGCGAGGGAGCGGCAAGAGAGTGGCGCTTGG 420
Db 361 GGAGACTACGATGACGCTTCCCTGCTGCGAGGGAGCGGCAAGAGAGTGGCGCTTGG 420
Qy 421 GACAGCTCCACAGAGCTGCTGTTGGGGTAAAGTCCCGAAGAGATCTCATGTCATG 480
Db 421 GACAGCTCCACAGAGCTGCTGTTGGGGTAAAGTCCCGAAGAGATCTCATGTCATG 480
Qy 481 CTCAGGGACACTGACGCTGAACAGAGACGACGCAAGAGAGAGAGTCTTACATCTGCCC 540
Db 481 CTCAGGGACACTGACGCTGAACAGAGAGACGCAAGAGAGAGAGTCTTACATCTGCCC 540
Qy 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTCTGCTGGACAGACGATGTCAACTTAAT 600
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Qy 781 TATGGTGTGATATGAAATCAAAACAAAGCATGGCTCACACCACTGTTACTTGGTGA 840
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Qy 841 CATGACAAACAGCAAGTCTGAAATTTTAAATCAAGAAACAAAGCAATTTAAATGCA 900
Db 841 CATGACAAACAGCAAGTCTGAAATTTTAAATCAAGAAACAAAGCAATTTAAATGCA 900

901	CTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGTAATGTTGTGGATCAGCAAGTATA	960
Qy		
901	CTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGTAATGTTGTGGATCAGCAAGTATA	960
Db		
961	GTCAAGCCTTCTACTCTGAGCAAAATATTGATGTAATCTTCTCAAGATCTATCTGACAGAGC	1020
Qy		
961	GTCAAGCCTTCTACTCTGAGCAAAATATTGATGTAATCTTCTCAAGATCTATCTGACAGAGC	1020
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1021	GCCAGAGAGTATGCTCTGTTTCTAGTCATCATGTAAATTTGCCAGGTACTTTTCTGACTAC	1080
Qy		
1021	GCCAGAGAGTATGCTCTGTTTCTAGTCATCATGTAAATTTGCCAGGTACTTTTCTGACTAC	1080
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1081	AAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGAACTTAA	1138
Qy		
1081	AAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAAATGTTCTCAA	1138
Db		

RESULT 14

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US-09-605-785-530
/ Sequence 530, Application US/09605785
/ Patent No. 6321716
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, Devin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yuquf
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darrick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Ajjun
/ APPLICANT: Skeiky, Yasir A.W.
/ APPLICANT: Hapler, William
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS
/ TITLE OF INVENTION: DIAGNOSIS OF PROSTATITIS
/ FILE REFERENCE: 210121.427C16
/ CURRENT APPLICATION NUMBER: US/09/605,785
/ CURRENT FILING DATE: 2000-06-27
/ NUMBER OF SEQ ID NOS: 835
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 530
/ LENGTH: 1852
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-605-785-530

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Query Match	44.7%;	Score 912.8;	DB 4;	Length 1852;
Best Local Similarity	90.5%;	Pred. No. 2.4e-230;		
Matches 1010;	Conservative 0;	Mismatches 72;	Indels 34;	Gaps 2;
QY	216	CAGGGGAGTGGCAAGACAACTGGGCGCTTCTGGAGACCAAGACACTCTGCTATGAA	275	
Db	771	CAGGGGAGCGGCAAGACAACTGGGCGCTTCTGGAGACCAAGACACTCTCTCTGAA	830	
QY	276	GACACTCAGGAAACAAGATGGGCAAGTGGTGTCTGCCACTGCTTCCCTGCTGCAGGGGAG	335	
Db	831	GACGCTTGGGAGCAAGAGGTGCAAGTGGTGTCTGCCACTGCTTCCCTGCTGCAGGGGAG	890	
QY	336	CGGCAAGAGACAAGTGGGCGCTTGGGCGAGACTACGATGACAGTGCCTTCATGAGAGCCACG	395	
Db	891	CGGCAAGAGACAAGTGGTGGTGGTGGGAGACTACGATGACAGCGCCTTCATGATCCCAG	950	
QY	396	GTACCAAGTCCGTGGAGAGAAGATCTGACAAGCTCCAAGAGTGCCTGTGGGGTTAAAGT	455	
Db	951	GTACCAAGTCCATGGAGAGAAGATCTGACAAGCTCCAAGAGTGCCTGTGGGGTTAAAGT	1010	
QY	456	CCCCAGAAAGGATCTCATCGTCAATGCTCAGGGACACTGACGTGAAACAAGAGCACAAAGCA	515	

Db	1011	CCCCGAAAGGATCTCATCGTCATGCTCAGGACACGGATGTGAACAGAGGACAAGCA	1070
Qy	516	AAAGAGGACTGCTCTACATCTGGCCCTCTGCCAATGGGAATTCAGAAGTAGTAAAACTCCT	575
Db	1071	AAAGAGGACTGCTCTACATCTGGCCCTCTGCCAATGGGAATTCAGAAGTAGTAAAACTCGT	1130
Qy	576	GCTGGACAGAGNATGTCAACTTAATGCTCTTGACAAACAAAAGAGAGACGCTCTGATAAA	635
Db	1131	GCTGGACAGAGNATGTCAACTTAATGCTCTTGACAAACAAAAGAGAGACGCTCTGACAAA	1190
Qy	636	GGCCGTACAATGCCAGGAAGATGAATGTCGTTTAATGTTGCTGGAAATGGCACTGATCC	695
Db	1191	GGCCGTACAATGCCAGGAAGATGAATGTCGTTTAATGTTGCTGGAAATGGCACTGATCC	1250
Qy	696	AAATATTCAGATGAGTATGGAAATACCACTCTGCACCTACGCTATCTATAATGAAGATAA	755
Db	1251	AAATATTCAGATGAGTATGGAAATACCACTCTGCACCTATGCTGTCTCAATGAAGATAA	1310
Qy	756	ATTAAATGGCCAAAGCACTGCTTATATGGTGGCTGATATCGAATCAAAAAACAAGCATGG	815
Db	1311	ATTAAATGGCCAAAGCACTGCTTATATGGTGGCTGATATCGAATCAAAAAACAAGCATGG	1370
Qy	816	CCTCACACCACCTGTACTTGGTGTACATCAGCAAAAAACAGCAAGTCGTGAATTTTTTAAT	875
Db	1371	CCTCACACCACCTGTACTTGGTGTACATCAGCAAAAAACAGCAAGTCGTGAATTTTTTAAT	1430
Qy	876	CAAGAAAAAGGGAATTTAAATGCACTGGATAGATATGGAAGGACCTGCTCTCATCTTGC	935
Db	1431	CAAGAAAAAGGGAATTTAAATGCGCTGGATAGATATGGAAGACCTGCTCTCATCTTGC	1490
Qy	936	TGTATGTTGTGGATCAGCAAGTATAGTCAGCCTTCTACTTGGAGCAAAATATTGATGTATC	995
Db	1491	TGTATGTTGTGGATCAGCAAGTATAGTCAGCCTTCTACTTGGAGCAAAATATTGATGTATC	1550
Qy	996	TTCTCAAGATCTATCTGGACAGCGCCAGAGATGCTGTTTCTAGTCATCATCATGT	1055
Db	1551	TTCTCAAG-----ATCTGGAAAGCGCCAGAGATGCTGTTTCTAGTCATCATCATGT	1606
Qy	1056	AATTTGCCAGTTACTTTCTGACTACAAAGAAAAACAGATGCTTAAATAATCTCTTCTGAAAA	1115
Db	1607	AATTTGCCAGTTACTTTCTGACTACAAAGAAAAACAGATGTTTAAATAATCTCTTCTGAAAA	1666
Qy	1116	CAGCAATCCAGAACAGACTTAAAGTGACATCAGAGGAAGAGTCACAAAGTTCAAAGG	1175
Db	1667	CAGCAATCCAGAACAGACTTAAAGTGACATCAGAGGAAGAGTCACAAAGGTTCAAAGG	1726
Qy	1176	CAGTGAATAATAGCCAGAGAAATGTCTCAAGAACAGAAATAAATAAGGATGGTGA	1235
Db	1727	AAGTGAATAACAGCCAGAGCTAGAAGATTTATGGCTATTGAAGAGAATGAAG-----	1782
Qy	1236	TAGAGAGGTTGAAGAGAATAAGAAAGCATGAAAGTAAATAATGTGGGATTACTAGAAAA	1295
Db	1783	-----AACACGGAAGTACTCATGTGGGATCCAGAAAA	1816
Qy	1296	CCTGACTAATGTTGTCATCTGCTGGCAATGGTGATAA	1331
Db	1817	CCTGACTAATGTTGTTGCTGCTGGCAATGGTGAT	852

RESULT 15

RESOL 15
US-09-439-313-530
; Sequence 530, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 530
LENGTH: 1852
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-530

Query Match 44.7%; Score 912.8; DB 4; Length 1852;
Best Local Similarity 90.5%; Pred. No. 2.4e-230;
Matches 1010; Conservative 0; Mismatches 72; Indels 34; Gaps 2;

QY	216	CAGGGGAGTGGCAAGCAAGCTGGCGCTTCTGGAGACCACGACGACTCTGCTATGAA	275
DB	771	CAGGGGAGCGCAAGAGCAACGTTGGCACTTCTGGAGACCACGACGACTCTCTGTGAA	830
QY	276	GACACTCAGGAACAAGATGGGCAAGTGGTGGCTGCTCCCTCTGCTGAGGGGAG	335
DB	831	GACGCTTGGGAGCAAGAGGTGCAAGTGGTGGCTGCTCCCTCTGCTGAGGGGAG	890
QY	336	CGGCAAGAGCAAGTGGGCGCTTGGGAGCTACGATGACGTGCTTCATGGAGCCCGAG	395
DB	891	CGGCAAGAGCAAGTGGTGGCTTGGGAGCTACGATGACGTGCTTCATGGATCCCGAG	950
QY	396	GTACCACCTCCATGAGAGATCTGGCAAGCTCCACAGAGCTGCTGGTGGGTAAAGT	455
DB	951	GTACCACCTCCATGAGAGATCTGGCAAGCTCCACAGAGCTGCTGGTGGGTAAAGT	1010
QY	456	CCCCAAGAGGATCTCATGCTCATGCTCAGGAGCACTGACGTGAAACAAGAGGCAAGCA	515
DB	1011	CCCCAAGAGGATCTCATGCTCATGCTCAGGAGCACTGACGTGAAACAAGAGGCAAGCA	1070
QY	516	AAAGAGGAGTCTCTACATCTGGCCCTCTGCCAATGGGAATTCAGAGTAGTAAACTCT	575
DB	1071	AAAGAGGAGTCTCTACATCTGGCCCTCTGCCAATGGGAATTCAGAGTAGTAAACTCT	1130
QY	576	GCTGGACAGAGGATGTCACCTTAATGTCTTACAAACAAAGAGGAGCAGCTCTGATAA	635
DB	1131	GCTGGACAGAGGATGTCACCTTAATGTCTTACAAACAAAGAGGAGCAGCTCTGACAA	1190
QY	636	GGCGGTACAATGCCAGGAAGATGAATGTCGTTAATGTGTGGAAACATGGCACTGTACC	695
DB	1191	GGCGGTACAATGCCAGGAAGATGAATGTCGTTAATGTGTGGAAACATGGCACTGTACC	1250
QY	696	AAATATTCAGATGATGAAATACCACTCTGCACTACGCTATCTATAATGAAGATAA	755
DB	1251	AAATATTCAGATGATGAAATACCACTCTACACTATGCTGTCTACAATGAAGATAA	1310
QY	756	ATTAATGGCCAAAGCACTGCTCTTATATGTTGCTGATATCAATCAAAACAAAGCATGG	815
DB	1311	ATTAATGGCCAAAGCACTGCTCTTATACGGTGTGATATCAATCAAAACAAAGCATGG	1370
QY	816	CCTCACACCACTGTCTTGTGTACATGAGCAAAACAGCAAGTCTGTAATTTTAAAT	875
DB	1371	CCTCACACCACTGTCTTGTGTACATGAGCAAAACAGCAAGTCTGTAATTTTAAAT	1430
QY	876	CNAGAAAAAGCGAATTTAATGCACTGGATAGATATGGAAGGACTGCTCTCATCTTGC	935
DB	1431	CNAGAAAAAGCGAATTTAATGCGCTGGATAGATATGGAAGGACTGCTCTCATCTTGC	1490
QY	936	TGATATGTTGGATCAGCAAGTATAGTCAGCTTCTACTTGGAGCAAAATATTGATGATC	995
DB	1491	TGATATGTTGGATCAGCAAGTATAGTCAGCTTCTACTTGGAGCAAAATATTGATGATC	1550
QY	996	TTCTCAAGATCTATCTGGACAGACGGCCAGAGAGATGCTGTTTCTAGTCATCATGT	1055

Search completed: June 9, 2003, 10:01:12
Job time : 119.099 secs

DB	1551	TTCTCAAG-----ATCTGGAAGACGCCAGAGAGTATGCTGTTTCTAGTCATCATGT	1606
QY	1056	AATTTGCCAGTTACTTTCTGACTACAAAGAAAAACAGATGCTTCTTCTGAAAA	1115
DB	1607	AATTTGCCAGTTACTTTCTGACTACAAAGAAAAACAGATGTTTAAAAATCTCTTCTGAAAA	1666
QY	1116	CAGCAATCCAGAAACAAGACTTAAAGCTGACATCAGAGGAAGAGTCACAAAGGTTCAAGG	1175
DB	1667	CAGCAATCCAGAAACAAGACTTAAAGCTGACATCAGAGGAAGAGTCACAAAGGTTTAAAGG	1726
QY	1176	CAGTGAATAATAGCCAGCCAGAGAAAAATGTCTCAAGAACCCAGAAAAATAAGAGTGGTGA	1235
DB	1727	AAGTGAATAACAGCCAGCCAGAGCTAGAAGATTTATGGCTATTGAAGAGAAATGAAG----	1782
QY	1236	TAGAGAGGTTGAGAGAAATGAAGAGCATGAAAGTAAATATGTGGGATTACTAGAAAA	1295
DB	1783	-----AACACGGAAGTACTCATGTGGGATTCACAGAAAA	1816
QY	1296	CCTGACTAATGTGTCTGCTGCTGCAATGGTGATAA	1331
DB	1817	CCTGACTAACGGTGGCTGCTGCAATGGTGATGA	1852

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121 AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGCACTCAGGAGCAAG 180
181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGCAAGCTG 240
181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGCAAGCTG 240
241 GGGGCTTCTGGAGACCAAGCACTGCTGCTATGAAGCACTCAGGAGCAAGTGGGCAAG 300
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301 TGGTGTGCGCACTGCTTCCCTGCTGCGAGGGAGCGGCAAGCAAGTGGGCGCTTGG 360
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361 GGGAGCTAGTGAAGCACTGCTGCTATGAAGCACTCAGGAGCAAGTGGGCAAGTCTG 420
361 GGGAGCTAGTGAAGCACTGCTGCTATGAAGCACTCAGGAGCAAGTGGGCAAGTCTG 420
421 GACAAGCTCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
421 GACAAGCTCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
481 CTGAGGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
481 CTGAGGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
541 TGTGCAATGGGAATTCAGAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 600
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601 GTCTTGAACAACCAAGAGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
601 GTCTTGAACAACCAAGAGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
661 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
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841 CATGAGCAAAACAGCAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
841 CATGAGCAAAACAGCAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
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901 CTGGATAGATAGGAAGGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
961 GTGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
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1021 GCGAGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
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1141 CTGACATCAGAGGAGTCAACAGGTTCAAGGCGTGAAGTGAAGTGAAGTGAAGTGAAG 1200
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1201 ATGTCTCAAGAACCAAGAAATAAAGGATGCTGATAGAGAGGTTGAAGAGAAATGAAG 1260

1201 ATGTCTCAAGAACCAAGAAATAAATAAGGATGCTGATAGAGAGTGAAGAGAAATGAAG 1260
1261 AAGCATGAAGTAATAATGCTGGATTAAGAAACCTGACTAATGCTGCTGCTGCTGCTG 1320
1261 AAGCATGAAGTAATAATGCTGGATTAAGAAACCTGACTAATGCTGCTGCTGCTGCTG 1320
1321 AATGCTGATATGATTAATTCCTCAAGGAGAGCAGAACACCTGAAATCAGCAATTT 1380
1321 AATGCTGATATGATTAATTCCTCAAGGAGAGCAGAACACCTGAAATCAGCAATTT 1380
1381 CTTGCAACCAAGTGAAGTATCACAAGAAATTTGCGAATTTGCTGCTGCTGCTGCTG 1440
1381 CTTGCAACCAAGTGAAGTATCACAAGAAATTTGCGAATTTGCTGCTGCTGCTGCTG 1440
1441 AAGCAGATGCCAAATTAATCTTCTGAAACAGCAACCCAGAACCAAGACTTAAAGCTG 1500
1441 AAGCAGATGCCAAATTAATCTTCTGAAACAGCAACCCAGAACCAAGACTTAAAGCTG 1500
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1501 TCAGAGGAGAGTCAACAAAGGCTTGGAGGCTGAGGAGTGAAGTGGCAGCAGAGAAATG 1560
1561 CAAGAACCAAGAAATAAATAAGGATGCTGATAGAGAGTGAAGAAATTTTATGCTATC 1620
1561 CAAGAACCAAGAAATAAATAAGGATGCTGATAGAGAGTGAAGAAATTTTATGCTATC 1620
1621 GAAATGAAGAGCAGGAGTACTCATGCTGGATTTCCAGAAACCTGACTAATGCTGCTG 1680
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1681 ACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1740
1681 ACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1740
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1801 AAGCAATTTGTAAGAGCAGAACTGGAATATTTACACGATGAGATTTCTGATTCATG 1860
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1921 GAAAGCAGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
1921 GAAAGCAGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
1981 GAGCTAGACAAATGAAGCAATCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040
1981 GAGCTAGACAAATGAAGCAATCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040

RESULT 2

US-10-012-896-375
; Sequence 375, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.

APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Repler, William T.
 APPLICANT: Henderson, Robert A.
 APPLICANT: McNeill, John
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Houghton, Raymond L.
 APPLICANT: Vinals de Bassols, Carlota
 APPLICANT: Foy, Teresa
 APPLICANT: Fanger, Gary R.
 APPLICANT: Watanabe, Yoshihiro
 APPLICANT: Meagher, Madeleine Joy
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.427C27
 CURRENT APPLICATION NUMBER: US/10/012,896
 CURRENT FILING DATE: 2001-12-10
 NUMBER OF SEQ ID NOS: 1011
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 375
 LENGTH: 2040
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-012-896-375

Query Match 100.0%; Score 2040; DB 9; Length 2040;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGGTGGTGGAGTTGATTCATGCGCGTGGCTCTTCTGTGAAGACATTTGGTCTC	60
DB	1	ATGGTGGTGGAGTTGATTCATGCGCGTGGCTCTTCTGTGAAGACATTTGGTCTC	60
QY	61	AGGAGCAAGATGGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	120
DB	61	AGGAGCAAGTGGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	120
QY	121	AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180
DB	121	AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180
QY	181	ATGGGCAAGTGGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	240
DB	181	ATGGGCAAGTGGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	240
QY	241	GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
DB	241	GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
QY	301	TGGTGGTGGCACTGCTTCCCTGCTGAGGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG	360
DB	301	TGGTGGTGGCACTGCTTCCCTGCTGAGGGGGAGCGGCAAGAGCAAGTGGGCGCTTGG	360
QY	361	GGAGCACTACGATGACAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	420
DB	361	GGAGCACTACGATGACAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	420
QY	421	GACAACTTCCACAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	480
DB	421	GACAACTTCCACAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	480
QY	481	CTCAGGAGCACTGACGTTGAAAGAGGACCAAGCAAGAGGAGTGGTCTACATCTGGCC	540
DB	481	CTCAGGAGCACTGACGTTGAAAGAGGACCAAGCAAGAGGAGTGGTCTACATCTGGCC	540
QY	541	TCTGCCAATGGGAATTCAGAGTGTAAAGTCTCTGTGGACAGACGATGTCAAATTAAT	600
DB	541	TCTGCCAATGGGAATTCAGAGTGTAAAGTCTCTGTGGACAGACGATGTCAAATTAAT	600
QY	601	GTCCTTCCACAAAGAGGAGGAGTGTGTATGAAGGCGGTACAAATGCCAGGAGATGAA	660
DB	601	GTCCTTCCACAAAGAGGAGGAGTGTGTATGAAGGCGGTACAAATGCCAGGAGATGAA	660

QY	661	TGTGCGTTAAATGTTGCTGGAACATGCGCACTGATCCAAATATTTCCAGATGAGTATGGAAT	720
DB	661	TGTGCGTTAAATGTTGCTGGAACATGCGCACTGATCCAAATATTTCCAGATGAGTATGGAAT	720
QY	721	ACCACCTCTGCACTAGCTCTATTAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA	780
DB	721	ACCACCTCTGCACTAGCTCTATTAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA	780
QY	781	TATGCTGCTGATATCGAATCAAAAACCAAGCATGCGCTCACACCACTGTTACTTGGTGA	840
DB	781	TATGCTGCTGATATCGAATCAAAAACCAAGCATGCGCTCACACCACTGTTACTTGGTGA	840
QY	841	CATGAGCAAAAACCAAGCATGCGTGAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA	900
DB	841	CATGAGCAAAAACCAAGCATGCGTGAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA	900
QY	901	CTGATAGATATGGAAGACCTGCTCTCATATCTGCTGATGTTGGATCAGCAAGTATA	960
DB	901	CTGATAGATATGGAAGACCTGCTCTCATATCTGCTGATGTTGGATCAGCAAGTATA	960
QY	961	GTCAGCCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGC	1020
DB	961	GTCAGCCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGC	1020
QY	1021	GCCAGAGAGTATGCTGTTCTAGTCACTCATCTGTAATTTGCCAGTTACTTTCTGACTAC	1080
DB	1021	GCCAGAGAGTATGCTGTTCTAGTCACTCATCTGTAATTTGCCAGTTACTTTCTGACTAC	1080
QY	1081	AAGAAAAACAGATGCTTAAATAATCTTTCTGAAAAACAGCAATCCAGAACAGACTTTAAAG	1140
DB	1081	AAGAAAAACAGATGCTTAAATAATCTTTCTGAAAAACAGCAATCCAGAACAGACTTTAAAG	1140
QY	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCTGAAAAATAGCCAGCCAGAGAAA	1200
DB	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCTGAAAAATAGCCAGCCAGAGAAA	1200
QY	1201	ATGCTCTCAAGAACCAAGAAATAAATAAGGATGGTGTATAGAGGTTGAAGAGAAATGAAG	1260
DB	1201	ATGCTCTCAAGAACCAAGAAATAAATAAGGATGGTGTATAGAGGTTGAAGAGAAATGAAG	1260
QY	1261	AAGCATGAAAGTAAATAATGTGGGATTAAGAAAACTGACTAATGTGTGCTGCTGGC	1320
DB	1261	AAGCATGAAAGTAAATAATGTGGGATTAAGAAAACTGACTAATGTGTGCTGCTGGC	1320
QY	1321	AATGCTGATATGGAATTAATCTCAAGGAGAGCAGAAACCTGAAAAATCAGCAATTT	1380
DB	1321	AATGCTGATATGGAATTAATCTCAAGGAGAGCAGAAACCTGAAAAATCAGCAATTT	1380
QY	1381	CCTGACAAACGAAAGTGAAGAGTATCAGAAATTTGCGAATTTAGTTCTGACTACAAAGAA	1440
DB	1381	CCTGACAAACGAAAGTGAAGAGTATCAGAAATTTGCGAATTTAGTTCTGACTACAAAGAA	1440
QY	1441	AAACAGATGCAAAAATACTCTTCTGAAAAACAGCAACCCAGAACAGACTTTAAAGCTGACA	1500
DB	1441	AAACAGATGCAAAAATACTCTTCTGAAAAACAGCAACCCAGAACAGACTTTAAAGCTGACA	1500
QY	1501	TCAGAGAGAGTCAAAAGGCTTGAAGGAGTGAATAATGGCCAGCCAGAGAAAAAGATCT	1560
DB	1501	TCAGAGAGAGTCAAAAGGCTTGAAGGAGTGAATAATGGCCAGCCAGAGAAAAAGATCT	1560
QY	1561	CAAGAACCAAGAAATAATAGGATGGTGTATAGAGCTAGAAAAATTTATGGCTATCGAA	1620
DB	1561	CAAGAACCAAGAAATAATAGGATGGTGTATAGAGCTAGAAAAATTTATGGCTATCGAA	1620
QY	1621	GAAATGAAGAGCAGCGAAGTACTCATGTGCGAATTTCCAGAAAACTGACTAATGTGGCC	1680
DB	1621	GAAATGAAGAGCAGCGAAGTACTCATGTGCGAATTTCCAGAAAACTGACTAATGTGGCC	1680
QY	1681	ACTGCTGGCAATGGTGTATGATGATTAATTTCTCCAGGAGAGCAGAACACCTGGAAGC	1740
DB	1681	ACTGCTGGCAATGGTGTATGATGATTAATTTCTCCAGGAGAGCAGAACACCTGGAAGC	1740
QY	1741	CAGCAATTTCTGACACTGAGAAATGAAGATATCAGATGACGAAACAAATGATCTCAG	1800

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Qy 1801 AAGCAATTTTGTGAAGACAGAACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
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Qy 1861 GAAAGCAGATGAGTGGTTCGAAAGAAATGAAATTTCTGAGCTTTCTTAGTTGTAAGAA 1920
Db 1861 GAAAGCAGATGAGTGGTTCGAAAGAAATGAAATTTCTGAGCTTTCTTAGTTGTAAGAA 1920
Qy 1921 GAAAGCAGATTTGTCATGAAATAGTACGTTGCGGGAAGAAATTTGCCATGCTTAAGACTG 1980
Db 1921 GAAAGCAGATTTGTCATGAAATAGTACGTTGCGGGAAGAAATTTGCCATGCTTAAGACTG 1980
Qy 1981 GAGCTAGACACATGAAATGAGTAAATGAGTAAATGAGTAAATGAGTAAATGAGTAAAT 2040
Db 1981 GAGCTAGACACATGAAATGAGTAAATGAGTAAATGAGTAAATGAGTAAATGAGTAAAT 2040

RESULT 3
US-09-895-793-375
; Sequence 375, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalog, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-375

Query Match 100.0%; Score 2040; DB 9; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTGTGAAGAGCCATTGGTCTC 60
Db 1 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTGTGAAGAGCCATTGGTCTC 60
Qy 61 AGGAGCAGATGGCAAGTGGTGTGCGGCTGCTTCCCTGCTGAGGAGCGGCAAG 120
Db 61 AGGAGCAGATGGCAAGTGGTGTGCGGCTGCTTCCCTGCTGAGGAGCGGCAAG 120
Qy 121 ACCAAGTGGGCACTTCTGGAGACCAGCACTGCTGCTNTGAGACACTCAGGAGCAG 180
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Db 121 AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGCACTCAGGAGCAG 180
Qy 181 ATGGGCAAGTGGTGGCCGCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
Db 181 ATGGGCAAGTGGTGGCCGCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
Qy 241 GGCGTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 241 GGCGTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Qy 301 TGGTGTCTCCACTGCTTCCCTGCTGAGGGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
Db 301 TGGTGTCTCCACTGCTTCCCTGCTGAGGGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTGGCTTCTATGGAGCCAGGTACCACTCGTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTGGCTTCTATGGAGCCAGGTACCACTCGTGGAGAGATCTG 420
Qy 421 GACAAGTCTCAGACAGTGGCTTGGGTTAAAGTCCCAAGAAAGATCTCATCTCATG 480
Db 421 GACAAGTCTCAGACAGTGGCTTGGGTTAAAGTCCCAAGAAAGATCTCATCTCATG 480
Qy 481 CTCAGGGACACTGACGCTGAACAAGAGGACCAAGCAAGAGAGACTGCTCTACATCTGCC 540
Db 481 CTCAGGGACACTGACGCTGAACAAGAGGACCAAGCAAGAGAGACTGCTCTACATCTGCC 540
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Db 541 TCTGCCAATGGAAATTCAGAAAGTAAAGTCTCTGCTGGACAGACGATGTCAACTTAAT 600
Qy 601 GTCTTGCACAAACAAAGAGGACGCTCTGATAAGGCGGTACAAATCCAGGAAGATGAA 660
Db 601 GTCTTGCACAAACAAAGAGGACGCTCTGATAAGGCGGTACAAATCCAGGAAGATGAA 660
Qy 661 TGTGGTTAATGTTGCTGGAACTGGCACTGATCCAAATATTCAGATGAGTGAAT 720
Db 661 TGTGGTTAATGTTGCTGGAACTGGCACTGATCCAAATATTCAGATGAGTGAAT 720
Qy 721 ACCACTCTGACTACGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
Db 721 ACCACTCTGACTACGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
Qy 781 TATGGTCTGATATCGAATCAAAAAACAAGCATGGCTTCAACCACTGTTACTTGGTGA 840
Db 781 TATGGTCTGATATCGAATCAAAAAACAAGCATGGCTTCAACCACTGTTACTTGGTGA 840
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Db 841 CATGACCAAAACAGCAAGTGGTCAAAATTTTAATCAAGAAACCAATTTAATGCA 900
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Db 901 CTGGATAGATATGGAAGGACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
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Db 1021 GCCAGAGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTACTTCTGACTAC 1080
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Db 1081 AAGAAAAACAGATGCTTAAATAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG 1140
Qy 1141 CTGACATCAGAGGAAGTCAAAAGTTCAAGGCTCAAGGCTGAAAAATAGCCAGAGAAA 1200
Db 1141 CTGACATCAGAGGAAGTCAAAAGTTCAAGGCTCAAGGCTGAAAAATAGCCAGAGAAA 1200
Qy 1201 ATGTCTCAAGAACCAAGAAATTAATAAGATGCTGATAGAGGTTGAAGAAAGATGAAG 1260
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Db	1201	ATGTC	TAAGAAC	CCAGAAAT	AAAT	TAAGGAT	GGTGAT	GAGAG	GGTTG	TAAGAGAAAT	GAA	1360
Qy	1261	AAGCAT	GAAGCTA	ATAAT	TGTCGGAT	TACT	AGAAA	CACTG	ACTAAT	TGCTGCT	CACTGGC	1320
Db	1261	AAGCAT	GAAGCTA	ATAAT	TGTCGGAT	TACT	AGAAA	CACTG	ACTAAT	TGCTGCT	CACTGGC	1320
Qy	1321	AATGGT	GATAA	TGGATT	TAAT	TCCT	CAAGG	AAGCAG	CAAC	CACTG	AAAAAT	1380
Db	1321	AATGGT	GATAA	TGGATT	TAAT	TCCT	CAAGG	AAGCAG	CAAC	CACTG	AAAAAT	1380
Qy	1381	CCTGAC	AAACG	AAAGT	GAAGT	ATCA	CAGAA	TTTGG	AAAT	TGTTCT	GACTACA	1440
Db	1381	CCTGAC	AAACG	AAAGT	GAAGT	ATCA	CAGAA	TTTGG	AAAT	TGTTCT	GACTACA	1440
Qy	1441	AAACAG	ATGCC	AAAA	TACT	CTTCT	GAAAA	CAGCA	ACCAG	AACTTT	AAAGCTG	1500
Db	1441	AAACAG	ATGCC	AAAA	TACT	CTTCT	GAAAA	CAGCA	ACCAG	AACTTT	AAAGCTG	1500
Qy	1501	TCAGAG	AAAG	AGTCA	CAAA	GGCTT	GAGG	CAGT	GA	AAATG	CGCCAG	1560
Db	1501	TCAGAG	AAAG	AGTCA	CAAA	GGCTT	GAGG	CAGT	GA	AAATG	CGCCAG	1560
Qy	1561	CAAGAA	CCAGAA	ATAA	TAAG	GATG	GTG	ATAG	AGAG	CTAG	AAAAAT	1620
Db	1561	CAAGAA	CCAGAA	ATAA	TAAG	GATG	GTG	ATAG	AGAG	CTAG	AAAAAT	1620
Qy	1621	GAAAT	GAAAG	CA	CGGA	AGTACT	ATG	TCGG	AT	CC	CAGAAA	1680
Db	1621	GAAAT	GAAAG	CA	CGGA	AGTACT	ATG	TCGG	AT	CC	CAGAAA	1680
Qy	1681	ACTGCT	GGCAAT	TGGT	GTAT	GTAT	TAAT	TCCT	CAAG	GAAG	CAAC	1740
Db	1681	ACTGCT	GGCAAT	TGGT	GTAT	GTAT	TAAT	TCCT	CAAG	GAAG	CAAC	1740
Qy	1741	CAGCAAT	TTCT	CAC	ACTG	AGAT	GAAG	ATAT	CA	AGTGA	CGAA	1800
Db	1741	CAGCAAT	TTCT	CAC	ACTG	AGAT	GAAG	ATAT	CA	AGTGA	CGAA	1800
Qy	1801	AAGCAAT	TTTGT	GAAG	AA	CA	GAC	CTG	GAAT	TAT	TAC	1860
Db	1801	AAGCAAT	TTTGT	GAAG	AA	CA	GAC	CTG	GAAT	TAT	TAC	1860
Qy	1861	GAAAG	CAGAT	GAAG	TGGT	TG	AAAA	AAAT	TGA	AT	TTCT	1920
Db	1861	GAAAG	CAGAT	GAAG	TGGT	TG	AAAA	AAAT	TGA	AT	TTCT	1920
Qy	1921	GAAAA	GACAT	CTT	G	CAT	GAAA	AAAT	TAG	TGA	CGTTG	1980
Db	1921	GAAAA	GACAT	CTT	G	CAT	GAAA	AAAT	TAG	TGA	CGTTG	1980
Qy	1981	GAGCT	AGAC	ATG	AAAC	AT	AG	AAAT	TG	CGG	GAAG	2040
Db	1981	GAGCT	AGAC	ATG	AAAC	AT	AG	AAAT	TG	CGG	GAAG	2040

RESULT 4

US-09-895-814-375

00 00-000-014-373
/ Sequence 375. Application IIS/09895814

Sequence 373, Application US/09
Publication No. US20020193296A1

GENERAL INFORMATION:

APPLICANT: Xu, Jlangchun

APPLICANT: Dillon, Davin C

APPLICANT: Mitcham, Jennifer L

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yuqiu

APPLICANT: Kalos, Michael D.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John

APPLICANT: Day, Craig H

APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

APPLICANT: LI, Samuel X.

· APPLICANT: Wang, Aijun

```

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Huxal, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Poy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-375

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Query Match	100.0%;	Score 2040;	DB 9;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY 1	ATGGTGGTTGAGGTTGATTCCATGCGCGGTGCCTCTTCTGTGAAGAAGCCATTGGTCTC 60			
DB				
1	ATGGTGGTTGAGGTTGATTCCATGCGCGGTGCCTCTTCTGTGAAGAAGCCATTGGTCTC 60			
QY	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTCCCTCTGTCAGGGAGACGCGCAAG 120		
DB	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTCCCTCTGTCAGGGAGACGCGCAAG 120		
QY	121	AGCAACGTGGGCACCTTCGGAGCACGACGACTCTGCTATGAGACACTCAGGACCAAG 180		
DB	121	AGCAACGTGGGCACCTTCGGAGCACGACGACTCTGCTATGAGACACTCAGGACCAAG 180		
QY	181	ATGGGCAAGTGGTGCCCGCCACTGCTTCCCCTCTGTCAGGGGGAGTGGCAAGACAACGTG 240		
DB	181	ATGGGCAAGTGGTGCCCGCCACTGCTTCCCCTCTGTCAGGGGGAGTGGCAAGACAACGTG 240		
QY	241	GGCGCTTCGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300		
DB	241	GGCGCTTCGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300		
QY	301	TGGTGTGCGCACTGCTTCCCCTGTCAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360		
DB	301	TGGTGTGCGCACTGCTTCCCCTGTCAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360		
QY	361	GGAGACTACGATGACAGTGCCCTTCATGGAGCCAGGATCCACGTCGTCGAGGAAGATCTG 420		
DB	361	GGAGACTACGATGACAGTGCCCTTCATGGAGCCAGGATCCACGTCGTCGAGGAAGATCTG 420		
QY	421	GACAAGCTCCACAGAGCTGCCCTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCTCATG 480		
DB	421	GACAAGCTCCACAGAGCTGCCCTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCTCATG 480		
QY	481	CTCAGGACCACTGACGCTGAAACAAGAGGACCAAGCAAAAAGAGGACTGCTCTACATCTGGCC 540		
DB	481	CTCAGGACCACTGACGCTGAAACAAGAGGACCAAGCAAAAAGAGGACTGCTCTACATCTGGCC 540		
QY	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTGCTGGACAGACGATGTCAACTTAAT 600		
DB	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTGCTGGACAGACGATGTCAACTTAAT 600		
QY	601	GTCCCTTGACAAAAAGAGGACAGCTCTGATTAAGGCCGTACAAATGCCAGGAAGATGAA 660		
DB	601	GTCCCTTGACAAAAAGAGGACAGCTCTGATTAAGGCCGTACAAATGCCAGGAAGATGAA 660		
QY	661	TGTGGCTTAATGTTGCTGGACATGGCACTGATCCAAATATTTCCAGATGATGTGGAAT 720		
DB	661	TGTGGCTTAATGTTGCTGGACATGGCACTGATCCAAATATTTCCAGATGATGTGGAAT 720		

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QY 721 ACCACTCTGCTAGCTATCTATAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
DB 721 ACCACTCTGCTAGCTATCTATAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAACCAAGCATGCGCTCACACCACTGTTACTTGGTGA 840
DB 781 TATGCTGCTGATCGAATCAAAACCAAGCATGCGCTCACACCACTGTTACTTGGTGA 840
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DB 901 CTGGATAGATATGGAAGGACTCTCTCATACTTGTGTATGTTGTGGATCAGCAAGTATA 960
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DB 1021 GCCAGAGATGCTGTTTCTAGTCATCATCATGTAAATTTGCCAGTTACTTCTGACTAC 1080
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DB 1201 ATGCTCAAGAACCAAGATAAATAAGATGTTGATAGAGAGTTGAAAGAAATGAAG 1260
QY 1261 AAGCATGAAAGTAATAATGTTGGATTACTAGAAACCTGACTTAATGTTGCTCAGCTGGC 1320
DB 1261 AAGCATGAAAGTAATAATGTTGGATTACTAGAAACCTGACTTAATGTTGCTCAGCTGGC 1320
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DB 1321 AATGCTGATTAATGTAATTAATCTCAAAAGGAGAGCAGAACACCTGAAATCAGCAATTT 1380
QY 1381 CTGACAAAGAAAGTGAAGATATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
DB 1381 CTGACAAAGAAAGTGAAGATATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
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DB 1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGCGAGTGAATAATGGCCAGCAGAGAAAGATCT 1560
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QY 1621 GAAATGAAGAGCAGGAAAGTACTCATGTCGATTTCCAGAAAAACCTGACTTAATGGTGCC 1680
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DB 1681 ACTGCTGGCAATGGTGATGATGGAATTAATCTTCAAGGAAGAGCAGAAACCTGAAAGC 1740
QY 1741 CAGCAATTTCTGACACTGAGAATGAAGATATCAGTGTGACGAACAAATATGACTCAG 1800
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DB 1801 AAGCAATTTTGTGAAGAACAGAACACACTGGGATATTTACACGATGAGATTTCTGATTCATGAA 1860
QY 1861 GAAAGCAGATAGAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTCTAGTTGTGAAGAAA 1920
DB 1861 GAAAGCAGATAGAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTCTAGTTGTGAAGAAA 1920
QY 1921 GAAAAACACATTTGTCATGAAAAATAGTACGTTGCGGGAAGAAATTTGCCATGCTTAAGACTG 1980
DB 1921 GAAAAACACATTTGTCATGAAAAATAGTACGTTGCGGGAAGAAATTTGCCATGCTTAAGACTG 1980
QY 1981 GAGCTAGACACAATGAACACATCAGAGCCAGCTAAAAAATAAAAAAATAAAAAAATAAAAAA 2040
DB 1981 GAGCTAGACACAATGAACACATCAGAGCCAGCTAAAAAATAAAAAAATAAAAAAATAAAAAA 2040
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RESULT 5

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US-10-010-940-375
; Sequence 375, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/10/010,940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-010-940-375
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Query Match 100.0%; Score 2040; DB 9; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGTTGTTGAGTTGATTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
DB 1 ATGTTGTTGAGTTGATTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
QY 61 AGAGCAAGATGGCAAGTGGTGTGCTGCTGCTTCTTCCCTGCTCAGGAGAGCGGCAAG 120
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DB 121 AGCAACTGGGCACTTCTGGAGACCACGACGACTCTCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
DB 181 ATGGGCAAGTGGTGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
QY 241 GCGCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
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QY 301 TGTGCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGGTGGCGCTTGG 360
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Qy	361	GGAGACTACGATGACAGTGCCTTCTATGTAGGCCAGGTACCACTCCGTGGGAAGATCTG	420
Db	361	GGAGACTACGATGACAGTGCCTTCTATGTAGGCCAGGTACCACTCCGTGGGAAGATCTG	420
Qy	421	GACAAGCTCCAAGAGTGCCTGTGGGGTAAAGTCCCGCAGAAAGGATCTCATCTGTCATG	480
Db	421	GACAAGCTCCAAGAGTGCCTGTGGGGTAAAGTCCCGCAGAAAGGATCTCATCTGTCATG	480
Qy	481	CTCAGGGACACTGACGTGCAACAGNAGCAAGCAAGCAAGAGGAGCTGCTCTCATCTGGCC	540
Db	481	CTCAGGGACACTGACGTGCAACAGNAGCAAGCAAGCAAGAGGAGCTGCTCTCATCTGGCC	540
Qy	541	TCTGCCAATGGGAATTCAGAAGTAGTAAATCTCTGCTGGACAGACGATGTCACCTTAAT	600
Db	541	TCTGCCAATGGGAATTCAGAAGTAGTAAATCTCTGCTGGACAGACGATGTCACCTTAAT	600
Qy	601	GTCCTTGACAAACAAAAAGAGCAGCTCTGATAAAGCCGTACAAATGCCAGGAAGATGAA	660
Db	601	GTCCTTGACAAACAAAAAGAGCAGCTCTGATAAAGCCGTACAAATGCCAGGAAGATGAA	660
Qy	661	TGTGCGTTAATGTTGCTGGACATGGCACTGATCCAAATATTCAGATGAGTATGGAAT	720
Db	661	TGTGCGTTAATGTTGCTGGACATGGCACTGATCCAAATATTCAGATGAGTATGGAAT	720
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Db	721	ACCACTCTGCACTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
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Db	1021	GCCAGAGAGTATGCTGTTCTAGTCATCATCTGTAATTTGGCAGTTACTTTCTGACTAC	1080
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Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACCAAGACTTAAAG	1140
Qy	1141	CTGACATCAGAGAAAGAGTCAAAAGGTTCAAAAGGCAAGTAAAAATATCCAGCCAGAGAAA	1200
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Qy	1201	ATGCTCTCAAGAACCAAGAAATAAATAGGATGGTGATAGAGAGTTGGAAGAGAAATGAAG	1260
Db	1201	ATGCTCTCAAGAACCAAGAAATAAATAGGATGGTGATAGAGAGTTGGAAGAGAAATGAAG	1260
Qy	1261	AAGCATGAAAGTAAATAATGTGGGATTACTAGAAAACTGACTAATGTGTGCTGCTGGC	1320
Db	1261	AAGCATGAAAGTAAATAATGTGGGATTACTAGAAAACTGACTAATGTGTGCTGCTGGC	1320
Qy	1321	AATGTTGATAATGGATTAAATTCCTCAAGGAAGAGCAGAAACACCTGAAAAATCAGCAATTT	1380
Db	1321	AATGTTGATAATGGATTAAATTCCTCAAGGAAGAGCAGAAACACCTGAAAAATCAGCAATTT	1380
Qy	1381	CCTGACAAACGAAAGTCAAGAGTATCAAGAAATTTGGAAATTTGTTCTGACTCAAGAA	1440
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RESULT 6
US-09-825-301-7
; Sequence 7, Application US/09825301
; Patent No. US2002009738A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Molesh, David A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Zehntner, Barbara
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: METHODS, COMPOSITIONS
; OF INVENTION: AND MONITORING OF BR
; FILE REFERENCE: 210121.513
; CURRENT APPLICATION NUMBER: US/09/825,301
; CURRENT FILING DATE: 2001-04-02
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2040
; TYPE: DNA.
; ORGANISM: Homo sapien
US-09-825-301-7

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	Query Match	100.0%;	Score 2040;	DB 10;	Length 2040;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 2040;	Conservative	0;	Mismatches	0; Indels
					0; Gaps
Qy	1	ATGGTGGTTGAGGTTGATTC	CCATGCCGGCTG	CCCTTCTCTGTGAAGAAGCCATTTGGTCTC	60
Db	1	ATGGTGGTTGAGGTTGATTC	CCATGCCGGCTG	CCCTTCTCTGTGAAGAAGCCATTTGGTCTC	60

APPLICANT: Retter, Marc W.
APPLICANT: Scolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 375
LENGTH: 2040
TYPE: DNA
ORGANISM: Homo sapien
US-09-759-143-375

Query Match 100.0%; Score 2040; DB 10; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGGTGGTTGAGGTTGATTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC	60
DB	1	ATGGTGGTTGAGGTTGATTCATGCGGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC	60
QY	61	AGGAGCAAGATGGGCAAGTGGTGGTCCCTGCTGCGAGGAGCGGCAAG	120
DB	61	AGGAGCAAGATGGGCAAGTGGTGGTCCCTGCTGCGAGGAGCGGCAAG	120
QY	121	AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTGAGGAGCAAG	180
DB	121	AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTGAGGAGCAAG	180
QY	181	ATGGGCAAGTGGTGGGCACTTCTGCTGCTGCGAGGAGTGGCAAGGCAAGCTG	240
DB	181	ATGGGCAAGTGGTGGGCACTTCTGCTGCTGCGAGGAGTGGCAAGGCAAGCTG	240
QY	241	GGCGTCTTGAGACCAAGCACTCTGCTATGAAGACACTGAGGAGCAAGTGGGCAAG	300
DB	241	GGCGTCTTGAGACCAAGCACTCTGCTATGAAGACACTGAGGAGCAAGTGGGCAAG	300
QY	301	TGGTGGTCCCACTGCTTCCCTGCTGCGAGGAGCGGCAAGGAGGCGCTTGG	360
DB	301	TGGTGGTCCCACTGCTTCCCTGCTGCGAGGAGCGGCAAGGAGGCGCTTGG	360
QY	361	GGAGACTACGATGACAGTGCCTTCTATGAGCGCCAGGTACCAAGTGGGAGAGATCTG	420
DB	361	GGAGACTACGATGACAGTGCCTTCTATGAGCGCCAGGTACCAAGTGGGAGAGATCTG	420
QY	421	GACAGTCTCCAGAGTGCCTTGGTGGGTAAGTCCCGAGAAAGGATCTCATGCTCATG	480
DB	421	GACAGTCTCCAGAGTGCCTTGGTGGGTAAGTCCCGAGAAAGGATCTCATGCTCATG	480
QY	481	CTCAGGACACTGACGTGAACAAGAGGACCAAGCAAAAGAGGACTGCTCTACATCGGCC	540
DB	481	CTCAGGACACTGACGTGAACAAGAGGACCAAGCAAAAGAGGACTGCTCTACATCGGCC	540
QY	541	TCTGCCAATGGAAATTCAGAGTGTAGTAAATCTCTGCTGGGACAGCAAGTGTCACTTAAT	600
DB	541	TCTGCCAATGGAAATTCAGAGTGTAGTAAATCTCTGCTGGGACAGCAAGTGTCACTTAAT	600
QY	601	GTCTTGACAAACAAAAGAGGACAGCTCTGTATAAAGCCGCTACAAATGCCAGGAAGATGAA	660
DB	601	GTCTTGACAAACAAAAGAGGACAGCTCTGTATAAAGCCGCTACAAATGCCAGGAAGATGAA	660
QY	661	TGTGCGTTAATGTTGCTGGAAACATGGCACTGTATCCAAATATTCAGATGAGTATGGAAAT	720
DB	661	TGTGCGTTAATGTTGCTGGAAACATGGCACTGTATCCAAATATTCAGATGAGTATGGAAAT	720

QY	721	ACCACCTGCACTACGCTATCTATTAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780
DB	721	ACCACCTGCACTACGCTATCTATTAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780
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DB	781	TATGCTGCTGATATCGAATCAAAAAACAAGCATGSCCTCACACCACTGTTACTTGGTGA	840
QY	841	CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA	900
DB	841	CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA	900
QY	901	CTGGATAGATATGGAAGGACTGCTCATCTCTGCTGATGTTGGATCAGCAAGTATA	960
DB	901	CTGGATAGATATGGAAGGACTGCTCATCTCTGCTGATGTTGGATCAGCAAGTATA	960
QY	961	GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGAG	1020
DB	961	GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGGACAGAG	1020
QY	1021	GCCAGAGATATGCTGTTTCTAGTCATCATATGTAATTTGCCAGTTACTTTCTGACTAC	1080
DB	1021	GCCAGAGATATGCTGTTTCTAGTCATCATATGTAATTTGCCAGTTACTTTCTGACTAC	1080
QY	1081	AAAGAAAAACAGATGCTTAAATCTTCTGAAAAACAGCAATCCAGAACCAAGACTTAAG	1140
DB	1081	AAAGAAAAACAGATGCTTAAATCTTCTGAAAAACAGCAATCCAGAACCAAGACTTAAG	1140
QY	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCAAGTGAATAGCCAGCCAGAGAAA	1200
DB	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCAAGTGAATAGCCAGCCAGAGAAA	1200
QY	1201	ATGCTCAAGAACCAAGAAATTAAGATGATGATGAGAGGTTGAAGAGAAATGAAG	1260
DB	1201	ATGCTCAAGAACCAAGAAATTAAGATGATGATGAGAGGTTGAAGAGAAATGAAG	1260
QY	1261	AAGCATGAAAGTAAATGTTGGGATTTACTAGAAAACCTGACTAATGTTGCTGCTGGC	1320
DB	1261	AAGCATGAAAGTAAATGTTGGGATTTACTAGAAAACCTGACTAATGTTGCTGCTGGC	1320
QY	1321	AATGGTGAATGATTAATTTCTCAAGGAGAGAGACACCTGGAATTTTACCAATTT	1380
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DB	1381	CCTGACAAAGGAGTGAAGATATCAAGAAATTTGCGAATTTAGTTTCTGACTACAGAA	1440
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DB	1441	AAACAGATGCCAAATATCTTCTGAAAAACAGCAACCCAGAACCAAGACTTAAAGCTGACA	1500
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DB	1501	TCAGAGGAGAGTCAAAAGGCTTGGAGGAGTGAATTAAGTGGCCAGGAGAGAAAGTCT	1560
QY	1561	CAAGAACCAAGAAATAAATAGGATGTTAGAGAGCTAGAAAATTTTATGGCTATCGAA	1620
DB	1561	CAAGAACCAAGAAATAAATAGGATGTTAGAGAGCTAGAAAATTTTATGGCTATCGAA	1620
QY	1621	GAAATGAGAGAGCAGGAAGTACTCATGTCGGATTTCCAGAAAACTTGACTTAATGGTGC	1680
DB	1621	GAAATGAGAGAGCAGGAAGTACTCATGTCGGATTTCCAGAAAACTTGACTTAATGGTGC	1680
QY	1681	ACTGCTGGCAATGTTGATGATTAATTTCTCCAGGAGAGAGCAACCTGGAAGC	1740
DB	1681	ACTGCTGGCAATGTTGATGATTAATTTCTCCAGGAGAGAGCAACCTGGAAGC	1740
QY	1741	CAGCAATTTCTGACACTGAGAAATGAAGATATCACAGTGCAGCAAAATGATCTCAG	1800
DB	1741	CAGCAATTTCTGACACTGAGAAATGAAGATATCACAGTGCAGCAAAATGATCTCAG	1800

QY 1321 AATGGTGATTAATGATTAATTCCTCAAGGAGAGCAGACACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATTAATGATTAATTCCTCAAGGAGAGCAGACACCTGAAATCAGCAATTT 1380
QY 1381 CTTGACAAAGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTCTGACTCAAGAA 1440
Db 1381 CTTGACAAAGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTCTGACTCAAGAA 1440
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Db 1621 GAAATGAAGAGCAGGAAGTACTATGTCGGATTCCAGAAACCTGACTTAATGTTGCC 1680
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QY 1801 AAGCAATTTTGAAGAACAGAACACTGGAATATTACAGATGAGATTCCTGATTCATGAA 1860
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Db 1921 GAAAGCAGATCTTGCATGAAATAGTACGTTGCGGAGAAATTTGCCATGCTAAGCTG 1980
QY 1981 GAGCTAGACACATGAAACATCAGAGCCAGCTTAAAGAAATTTAAAGAAATTTAAAGAA 2040
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RESULT 9

US-09-810-936-303
; Sequence 303, Application US/09810936
; Patent No. US20020068285A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Mishler, Linda E.
; APPLICANT: Dillon, David C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT OF BREAST CANCER
; FILE REFERENCE: 210121.419C11
; CURRENT APPLICATION NUMBER: US/09/810.936
; CURRENT FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 303

LENGTH: 2040
TYPE: DNA
ORGANISM: Homo sapien
US-09-810-936-303
Query Match 100.0%; Score 2040; DB 10; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 241 GGGCTTCTGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAGCAAGATGGCAAG 300
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RESULT 10

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US-09-822-827-375
; Sequence 375, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822.827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-375
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Query Match      100.0%; Score 2040; DB 10; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1801 AAGCAATTTTGTGAAGAACAGAAACACTGGAATATTTACAGATGAGATTTCTGATTATGAA 1860
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QY 1921 GAAAGAGATAGAAAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTATGTTGTAAGAAA 1980
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QY 1921 GAAAGAGATAGAAAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTATGTTGTAAGAAA 1980
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QY 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTGAAAAAATGAAAAAATGAAAAA 2040
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QY 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTGAAAAAATGAAAAAATGAAAAA 2040
DB |||||

RESULT 12

US-09-924-400-302

: Sequence 302, Application US/09924400

: Patent No. US20020165371A1

: GENERAL INFORMATION:

: APPLICANT: Frudakis, Tony N.

: APPLICANT: Reed, Steven G.

: APPLICANT: Smith, John M.

: APPLICANT: Mishner, Lynda E.

: APPLICANT: Dillon, David C.

: APPLICANT: Retter, Marc W.

: APPLICANT: Wang, Aijun

: APPLICANT: Skeiky, Yasir A. W.

: APPLICANT: Harlocker, Susan L.

: APPLICANT: Day, Craig H.

: APPLICANT: Li, Samuel X.

: APPLICANT: Deng, fa

: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

: FILE REFERENCE: 210121.419C12

: CURRENT APPLICATION NUMBER: US/09/924,400

: NUMBER OF SEQ ID NOS: 340

: SOFTWARE: FastSeq for Windows Version 4.0

: SEQ ID NO 302

: LENGTH: 2000

: TYPE: DNA

: ORGANISM: Homo sapiens

US-09-924-400-302

Query Match 95.1%; Score 1940; DB 9; Length 2000;

Best Local Similarity 97.8%; Pred. No. 0;

Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGTTGATTCATGCGGCTGCTCTTCTGTGAAGAACATTTGCTCTC 60

DB 1 ATGGTGGTTGAGTTGATTCATGCGGCTGCTCTTCTGTGAAGAACATTTGCTCTC 60

QY 61 AGGAGCAAGATGGGCAAGTGGTGGCTGCTTCCCTCTGCGAGGAGCGGCAAG 120

Db 61 AGGACCAAGTGGGCAAGTGTGCTGCGGTGCTTCCCTCTGTCAGGAGCGGCAAG 120
Qy 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
Qy 181 ATGGGCAAGTGGTCCGCACTGCTTCCCTGCTGCAAGGGGAGTGGCAAGCAAGCTG 240
Db 181 ATGGGCAAGTGGTCCGCACTGCTTCCCTGCTGCAAGGGGAGTGGCAAGCAAGCTG 240
Qy 241 GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
Db 241 GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
Qy 301 TGTGCTGCCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360
Db 301 TGTGCTGCCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGCAAGTGGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTGGCTTCAAGGAGCCAGGTACCAAGTGGGAGAGTCTG 420
Db 361 GGAGACTACGATGACAGTGGCTTCAAGGAGCCAGGTACCAAGTGGGAGAGTCTG 420
Qy 421 GACAGCTCCACAGAGTGGCTGCTGCGGCTAAAGTCCCGAGAGGATCTCATGCTCATG 480
Db 421 GACAGCTCCACAGAGTGGCTGCTGCGGCTAAAGTCCCGAGAGGATCTCATGCTCATG 480
Qy 481 CTCAGGAGACTGACGCTGAACAAAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC 540
Db 481 CTCAGGAGACTGACGCTGAACAAAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC 540
Qy 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGCAAGAGAGTCTCAACTTAAT 600
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Db 601 GTCCCTTGACAAACAAAGAGGACAGCTCTGATAAAGCCCTACATGCCAGGAGATGAA 660
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RESULT 13

US-10-012-896-374

; Sequence 374, Application US/10012896

; Publication No. US20020183251A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yugu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.


```
/ APPLICANT: Carter, Derrick
/ APPLICANT: Li, Samuel X.
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yaeir A.W.
/ APPLICANT: Hepler, William T.
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Hural, John
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Houghton, Raymond L.
/ APPLICANT: Vinals de Basols, Carlota
/ APPLICANT: Foy, Teresa
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Wantanabe, Yoshihiro
/ APPLICANT: Meagher, Madeleine Joy
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.427C27
/ CURRENT APPLICATION NUMBER: US/10/012,896
/ CURRENT FILING DATE: 2001-12-10
/ NUMBER OF SEQ ID NOS: 1011
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 374
/ LENGTH: 2000
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-012-896-374

Query Match 95.1%; Score 1940; DB 9; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGTGGTTGAGTTGATTCATCGCGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
DB 1 ATGTGGTTGAGTTGATTCATCGCGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
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DB 61 AGGAGCAAGATGGCAAGTGGTGTGCTGCGGTTGCTTCCCTGCTGAGGAGCGGCAAG 120
QY 121 AGCAAGTGGGACCTCTGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAG 180
DB 121 AGCAAGTGGGACCTCTGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGCAAGCTG 240
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QY 241 GCGGCTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAGATGGGCAAG 300
DB 241 GCGGCTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAGATGGGCAAG 300
QY 301 TGGTGTGCACTGCTTCCCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
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QY 361 GGAGACTACGATGACAGTGGCTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420
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QY 1801 AAGCAATTTTGTGAAGAACAGAACACTGGAAATATACAGATGAGATTCGATTATGAA 1860
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QY 1816 GAAAGCAGATAGAGTGGTTGAAATAATGAAATTCGAGCTTTCTTCTTATGTTGTAAGAA 1875
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QY 1921 GAAAGCAGATAGAGTGGTTGAAATAATGAAATTCGAGCTTTCTTCTTATGTTGTAAGAA 1875
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QY 1936 GAGCTAGACAAATGAAACATCAGAGCAGCTAAAGGAGAGAGAGAGAGAGAGAGAGAG 1995
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RESULT 15

US-09-895-814-374
; Sequence 374, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-895-814-374

Query Match 95.1%; Score 1940; DB 9; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGTTGATTCCATGCCGGCTGCTCTGTGAAGAAGCAATTTGGTCTC 60
Db |||||
QY 1 ATGGTGGTTGAGTTGATTCCATGCCGGCTGCTCTGTGAAGAAGCAATTTGGTCTC 60
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QY 61 AGGAGCAAGATGGGCAAGTGGTGTGCTGCTTCCCTGCTGAGGAGAGCGCAAG 120
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QY 61 AGGAGCAAGATGGGCAAGTGGTGTGCTGCTTCCCTGCTGAGGAGAGCGCAAG 120
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QY 121 AGCAACGTGGGCACTTCTGGAGACCAACGACGACTCTGCTATGAAGACACTCAGGAGCAAG 180
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QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGAGGAGAGTGGCAAGAGCAACGTG 240
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QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGAGGAGAGTGGCAAGAGCAACGTG 240
Db |||||
QY 241 GSGCGTTCTGGAGACCAACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGCAAG 300
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QY 241 GSGCGTTCTGGAGACCAACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGCAAG 300
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QY 301 TGGTCTGCGCACTGCTTCCCTGCTGAGGAGAGCGGCAAGAGCAAGTGGCGCTTGG 360
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QY 481 CTCAGGACACTGACGTGAACAAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC 540
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||||| 661 TGTGGTTAATGTTGCTGGAAATGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720
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Db 901 CTGATAGATATGGAAGGACTGCTCTCATCTTGTGTATGTTGGATCAGCAAGTATA 960
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Db 961 GTCAGCCTTCTACTTGGCAAAATATTGATGTATCTTCTCAAGATCTATCTGGACAGG 1020
Qy 1021 GCCAGAGATATGCTGTTCTTAGTCATCATCTGTAATTTGCCAGTTACTTCTGACTAC 1080
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Qy 1081 AAAGAAAAACAGATGCTTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGACTTAAAG 1140
Db 1081 AAAGAAAAACAGATGCTTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGACTTAAAG 1140
Qy 1141 CTGACATCAGAGGAGAGTCAAAAGTTTCAAAGGCTGAAATAGCCAGCCAGAGAAA 1200
Db 1141 CTGACATCAGAGGAGAGTCAAAAGTTTCAAAGGCTGAAATAGCCAGCCAGAGAAA 1200
Qy 1201 ATGCTCAAGAACAGAAATTAATTAAGATGGTGTATAGAGAGTTGAAGAAATGAAG 1260
Db 1201 ATGCTCAAGAACAGAAATTAATTAAGATGGTGTATAGAGAGTTGAAGAAATGAAG 1260
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Db 1261 AAGCATGAAAGTAAATTAATGAGGATTAAGAAACCTGACTAATGTTGCTGCTGGC 1320
Qy 1321 AATGGTGATTAATGATTAATTCCTCAAAGGAGAGACACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATTAATGATTAATTCCTCAAAGGAGAGACACCTGAAATCAGCAATTT 1380
Qy 1381 CCTGACAAAGAGTGAAGAGTATCAGAAATTTGCGAATTTCTGACTACAAAGAA 1440
Db 1381 CCTGACAAAGAGTGAAGAGTATCAGAAATTTGCGAATTTCTGACTACAAAGAA 1440
Qy 1441 AAACAGATGCCAAATTAATCTTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATTAATCTTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
Qy 1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGGCAGTGCAAAATGGCCAGCCAGAGAAAGATCT 1560
Db 1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGGCAGTGCAAAATGGCCAGCCAGAGAAAGATCT 1560
Qy 1561 CAAGAACCAAGAAATAATTAAGGATGGTGATAGAGCTGAGAAATTTTATGGCTATCGAA 1620
Db 1561 CAAGAACCAAGAAATAATTAAGGATGGTGATAGAGCTGAGAAATTTTATGGCTATCGAA 1620
Qy 1621 GAAATGAAGAACGAGAGTACTATGTCGAAATCCAGAAACCTGACTAATGGTGC 1680
Db 1621 GAAATGAAGAACGAGAGTACTATGTCGAAATCCAGAAACCTGACTAATGGTGC 1680
Qy 1681 ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGAGAACCCCTGAAAGC 1740
Db 1681 ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGAGAACCCCTGAAAGC 1740
Qy 1741 CAGCAATTTCTGACACTGAGAAATGAAGATATCAGAGTGAAGAAACAAATGATCTCAG 1800
Db 1741 CAGCAATTTCTGACACTGAGAAATGAAGATATCAGAGTGAAGAAACAAATGATCTCAG 1800

Db 1696 CAGCAATTTCTGACACTGAGATGAAGAGTATCACAGTGAAGCAAAATGATACTCAG 1755
Qy 1801 AAGCAATTTTCTGAGAACAGAACACTGGATATTTACACGATGAGATTTCTGATTCATGAA 1860
Db 1756 AAGCAATTTTCTGAGAACAGAACACTGGATATTTACACGATGAGATTTCTGATTCATGAA 1815
Qy 1861 GAAAAAGCAGATAGAAGTGGTTGAAAAAATGAAATTTCTGAGCTTTTCTTAGTTGTAAGAAA 1920
Db 1816 GAAAAAGCAGATAGAAGTGGTTGAAAAAATGAAATTTCTGAGCTTTTCTTAGTTGTAAGAAA 1875
Qy 1921 GAAAAAGCAGATAGAAGTGGTTGAAAAAATGAAATTTCTGAGCTTTTCTTAGTTGTAAGAAA 1875
Db 1876 GAAAAAGCAGATAGAAGTGGTTGAAAAAATGAAATTTCTGAGCTTTTCTTAGTTGTAAGAAA 1935
Qy 1981 GAGCTAGACACAATGAAGCAATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAAAGAAAAA 2040
Db 1936 GAGCTAGACACAATGAAGCAATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAAAGAAAAA 1995

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